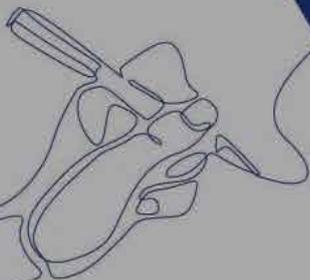
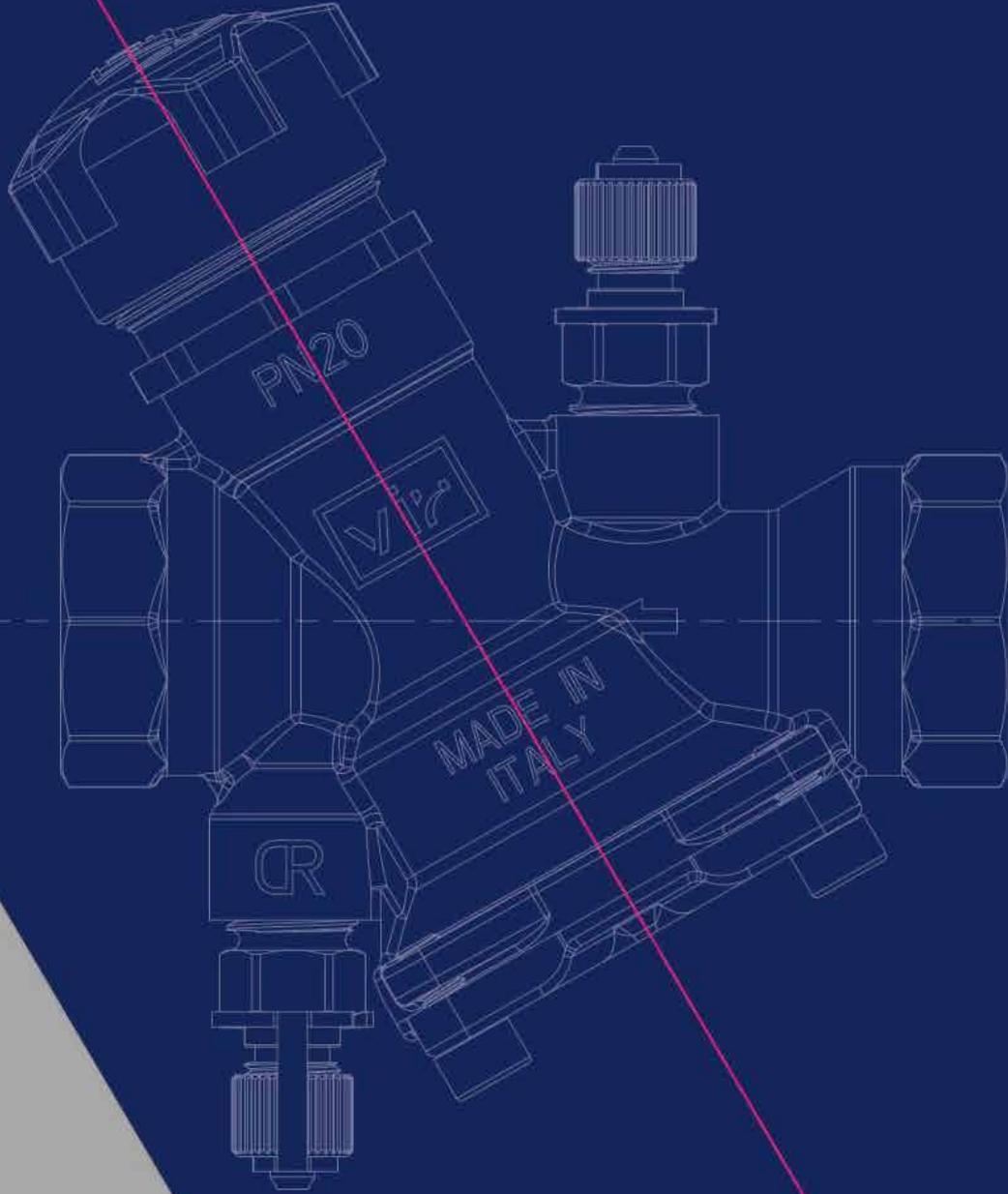




ITALY



55th
ANNIVERSARY

CATALOGUE 2026



CATALOGUE 2026

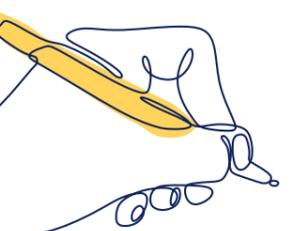
The force of a group that makes ideas flow

VIR – Valvoindustria Ing. Rizzio S.p.A. was founded in 1971 in Valduggia, in the province of Vercelli, by Savino Rizzio, in the heart of the Cusio-Valsesia industrial district, nationally and internationally recognized as a center of excellence for the production of valves and fittings.

The Group's roots lie in the local tradition of bronze casting, originally devoted to the artisanal production of bells. This heritage of technical expertise laid the foundation for continuous industrial development, driven by a strong focus on quality, product reliability, and process innovation.

Today, VIR is an internationally oriented industrial group with a direct and structured presence in Europe, North America, Asia, and the Middle East. In Europe, the historic headquarters in Valduggia represents the Group's operational hub and is organized across three distinct sites: the manufacturing plant, the logistics center, and the foundry, including the plastics division. In North America, the Group operates through its subsidiary Red-White Valve Corp., supported by a strategically distributed network of warehouses. In Asia, VIR runs a manufacturing facility in Taizhou and a sales office in Shanghai, serving both local and global markets. The Group's international footprint is completed by its presence in the Middle East, with offices and a warehouse in Dubai.

With more than fifty years of experience and the establishment of the Valduggia logistics center in 2001, VIR has developed an efficient and integrated organizational model, capable of ensuring high quality standards, fast service, and close, ongoing support for customers worldwide.



Every story has a beginning

VIR 1971	RED-WHITE VALVE CORP. 2003	VIR TRADING SHANGHAI 2010	50° ANNIVERSARY VIR & RWV 2021	55 th ANNIVERSARY 2026
	BLUE TAG 1991	VIR TAIZHOU 2008	VIR ME 2017	2025 ITALIAN HISTORICAL TRADEMARK

flowing ideas

VIR Group

VIR – Valvoindustria Ing. Rizzio S.p.A. has its roots in the local tradition of bronze casting, originally linked to the artisanal production of bells, and is deeply embedded in a territory that today represents one of Italy's most important hubs for the manufacture of valves and fittings.

Founded as a small family-owned business and grown over time into a successful international group, VIR has built its development path by placing people at the center of its growth model. The enhancement of skills, the transfer of know-how, and a strong focus on safety and continuous training are key elements of the company's culture.

The Group operates according to principles of responsibility, transparency, and sound management, adopting a governance model oriented toward the long term and the creation of sustainable value. VIR integrates a responsible approach toward the environment, the local area, and the community into its operations, promoting efficient production processes and the conscious use of resources.

These values guide the Group's strategic decisions on a daily basis and support its ability to operate reliably and competitively in international markets, while maintaining a strong connection to its origins and a future-oriented vision.



VIR Valduggia - ITALY The Group's headquarters host the executive offices and the manufacturing plant dedicated to mechanical machining and assembly operations. The site represents the operational heart of VIR and is equipped with modern machinery, entirely designed and built in-house, ensuring direct control over production processes and high quality standards.



BLUE TAG Valduggia - ITALY In 1992, with the acquisition of Valpas, a manufacturer of plastic ball valves, VIR expanded its industrial know-how. This experience led to the creation of Blue Tag, a division dedicated to the development and production of innovative technical solutions, integrated with and complementary to the Group's traditional product range.



RED-WHITE Valve Corp. - Lake Forest CA - USA Acquired in 2003, Red-White Valve Corp. marked the beginning of VIR's international expansion beyond the European market. The company serves as the reference point for the distribution of VIR products in North America and operates through a network of warehouses strategically located across the United States.

Taizhou VIR Valve Mfg Co, Ltd - Taizhou - Cina Inaugurated in 2008, the Taizhou manufacturing facility represents VIR's production presence in Asia. It is dedicated to the manufacture of specific valve lines and operates under constant quality monitoring, in full compliance with the Group's standards and requirements.

VIR Trading Co. Ltd - Shanghai - Cina Established in 2010, the company aims to develop and coordinate the distribution network of VIR's high-technology products in the Chinese market, leveraging the logistical and manufacturing support of the Taizhou facility.

VIR ME International DWC LLC - Dubai - EAU Founded in 2017, the company represents VIR's commercial division and logistics hub for the Middle East. The headquarters are located within the Dubai World Central free zone and provide direct support to markets across the region.



Production and Applications

VIR relies on a team of highly specialized technicians dedicated to the development, research, and design of new product solutions.

The company operates under a UNI ISO 9001 certified quality management system since 1992, complemented by numerous international product certifications.

VIR's core business is the design, manufacturing, and distribution of valves made from different materials, intended for a wide range of plant engineering and industrial applications.

TYPES OF VALVES



Ball valves
Manual



Motorized and control ball valves
Control and modulation



Balancing valves
Flow regulation and control



Gate
On/off shut-off



Y-strainers
Separation and system protection



Check valves
Backflow prevention

TYPES OF MATERIALS



Brass



Bronze



Cast iron



Polypropylene

APPLICATIONS



Water distribution networks



Gas networks



Air conditioning systems



Heating systems



Irrigation systems



Marine



Firefighting systems



Industrial applications



Large buildings



Production cycle

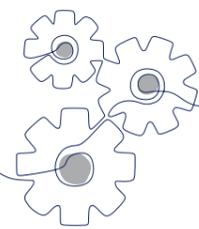
In 2026, VIR continues to stand out in the market thanks to an efficient organization structured by departments, a key factor in the company's success. A team of highly experienced and continuously trained professionals follows each product throughout every stage of its life cycle: from design and production to quality control and sales, ensuring consistently high standards and reliability.

A distinctive strength of VIR is its in-house foundry, a rare feature in the industry, which allows the company to oversee the production process with the utmost attention from the very first stage. This vertical integration enables direct control over manufacturing operations and ensures an absolute level of product quality. State-of-the-art production areas, divided among Foundry, Machining, Quality Control, Plastics Department, and Warehouse, are equipped with technologically advanced machinery, operated with a high level of expertise, experience, and professionalism.

Production strength is complemented by a strong focus on innovation. Thanks to a highly qualified in-house Technical Department, VIR designs and manufactures its products by developing solutions capable of anticipating market demands and responding precisely to customer needs.

Research and Development represents a strategic pillar: the company continuously invests in technological innovation, skills enhancement, and process evolution, with the aim of delivering increasingly high-performing, reliable, and competitive solutions.

Thanks to ongoing investments, VIR introduces next-generation machinery that enhances efficiency and quality. VIR's success also stems from the constant commitment of a highly qualified and continuously trained workforce, always ready to meet and exceed customer expectations.



Greater focus on sustainability

WATER AND ENERGY

For VIR, operating in the water and energy sectors means taking on a responsibility that goes beyond the supply of technical solutions. Our commitment is based on an ethical and responsible approach, focused on environmental protection, people's safety, and the sustainable use of resources.

Every design and production decision is guided by the goal of contributing to a safer, more efficient and fairer infrastructure system, capable of meeting the needs of both present and future generations..

HYDRAULIC BALANCING

Energy saving represents one of the major global challenges and is a strategic area of action for VIR. HVAC systems have a significant impact on building energy consumption and require increasingly efficient and reliable solutions.

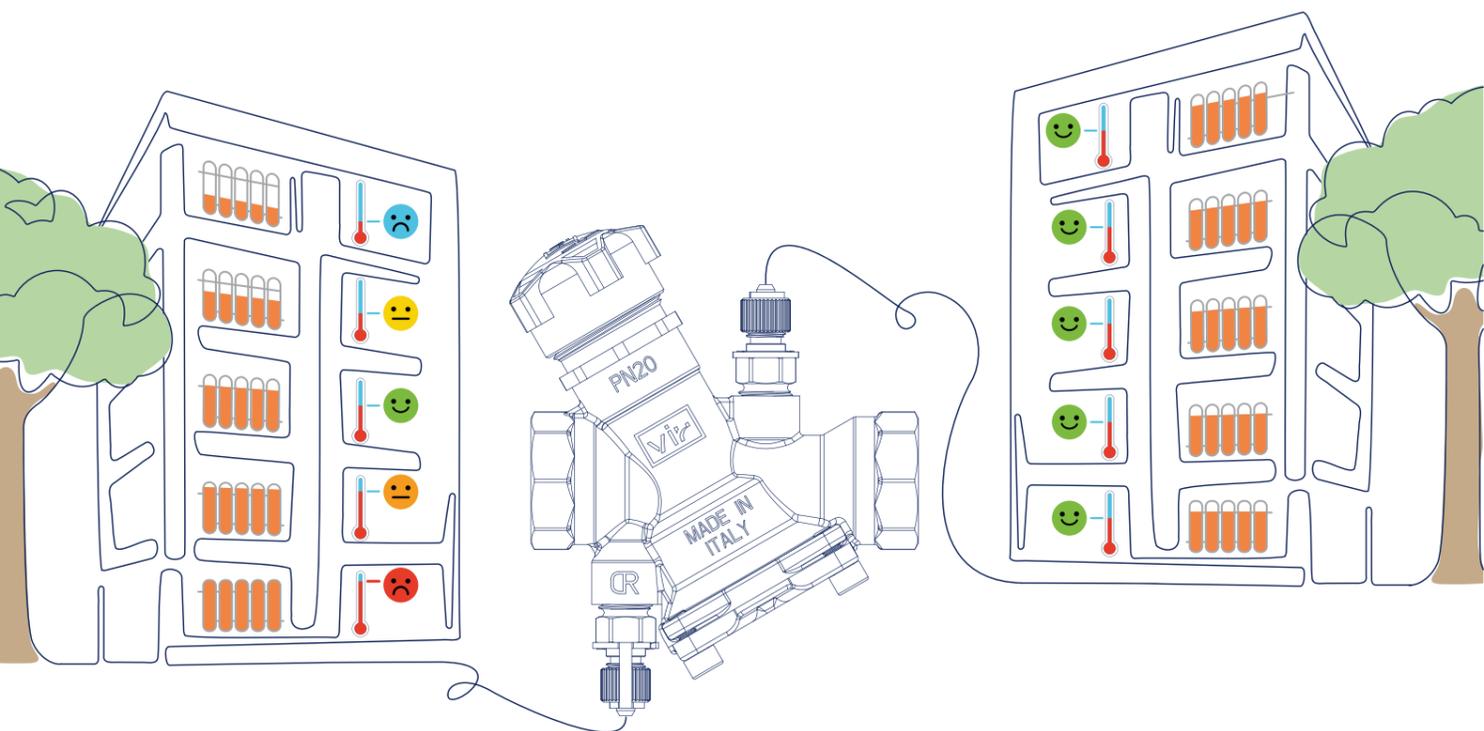
Within this context, VIR develops and promotes hydraulic balancing solutions designed to optimize flow distribution, improve indoor comfort, and reduce energy consumption and operating costs. The company works in close cooperation with installers, designers, wholesalers, contractors and end clients, supporting them in the realization of high-performance and sustainable systems.

Through the use of VIR balancing valves, optimal system operating conditions can be achieved, ensuring energy efficiency, long-term reliability, and a tangible contribution to reducing environmental impact.

THE BENEFITS OF A BALANCED ENVIRONMENT

Proper hydraulic balancing optimizes system operation by preventing flow imbalances and ensuring uniform energy distribution. Reduced circulation pump consumption helps lower operating costs, while improved thermal comfort ensures more stable environments that respond effectively to load variations.

In systems equipped with motorized valves, flow control becomes simpler and more effective, enabling precise and reliable automatic regulation. Over time, these features result in more efficient, reliable, and high-performing systems, delivering tangible benefits both in terms of energy savings and quality of service.



BALANCING

BALANCING VALVES

Balancing valves are hydraulic devices used in fluid distribution systems for heat transfer media, such as hot and chilled water, to regulate and stabilize flow rates in the different branches of the circuit, ensuring proper system balance.

Their function is to ensure that each terminal unit receives the required amount of fluid for its operation, maintaining consistent performance even in the presence of pressure variations or changing operating conditions, with benefits in terms of efficiency, comfort, and overall system reliability.

CLASSIFICATION

Within the context of hydraulic balancing, balancing valves are divided into three main categories, differentiated according to their adjustment methods and the operating conditions of the system.

Static Balancing Valves

These valves are manually set during the commissioning phase and allow the maintenance of a constant flow rate under stable pressure conditions. They are used in constant flow systems and enable flow measurement through differential pressure test points, ensuring reliable and easily verifiable system control.



Automatic Balancing Valves

Designed to maintain a constant flow rate or differential pressure even in the presence of pressure variations within the system. Thanks to the integrated differential pressure regulator, they are particularly suitable for variable flow systems, especially when combined with control systems using motorized valves.



Pressure Independent Control Valves (PICVs)

These represent the most advanced solution for hydraulic balancing, integrating balancing, control, and modulating functions within a single valve body. They provide precise and stable flow control independent of differential pressure and are used in advanced HVAC systems and installations managed by Building Management Systems (BMS), where high levels of energy efficiency, automation, and operational reliability are required.



APPLICATIONS

Balancing valves are used in a wide range of system applications, both in civil and industrial sectors. They are employed in centralized heating and cooling systems, where they ensure proper flow distribution and balanced operation across the different branches of the system.

They play a key role in fan coil circuits, air handling units (AHUs), and radiant panel systems, helping to guarantee thermal comfort, energy efficiency, and stable control performance. Balancing valves are also used in secondary distribution networks and manifolds, where they ensure accurate flow control and facilitate system management.

In industrial applications, they are used in thermal process systems and in heating and cooling plants with multiple distribution branches, where they are essential to maintain reliable operating conditions, reduce energy waste, and ensure long-term continuity of service.



VIR quality is certified



Quality represents one of the fundamental pillars on which VIR has built its industrial identity. Every stage of the production process—from design and manufacturing to final inspection and distribution—is managed according to rigorous criteria and established standards, with the aim of ensuring reliable, safe products that comply with international regulations.

The certifications obtained testify to VIR's concrete commitment to complying with technical, environmental, and safety standards, confirming the strength of the organization and the reliability of the solutions offered on international markets.



WRAS
UK



TR CU 010
Russia, Belarus and
Kazakhstan



STF
Finland



ACS
France



NSF 61 e 372
USA, Canada



GDV
Denmark



VA
Denmark



UL
USA, Canada



FM
USA



IAPMO
USA



SINTEF
Norway



Water Supplies
Department
Hong Kong



CSA
USA, Canada



TSSA
Canada



CE PED
Europe



BIM Solutions for Integrated Design

VIR supports BIM (Building Information Modeling) design through a structured selection of BIM families representing the products most commonly used in medium and large scale projects, developed in accordance with the latest digital design standards.

VIR BIM models are designed to integrate effectively into designers' workflows, enabling accurate representation of components within three-dimensional models and fostering coordination among the various mechanical, architectural, and engineering disciplines. The BIM families include technical and functional information useful for the design phase, system sizing, and clash detection, helping to reduce errors, review time, and execution-phase issues.

The use of VIR BIM models also supports the construction and facility management phases, facilitating information continuity throughout the entire lifecycle of the system from design and construction to operation and maintenance.

BIM families are available for download on the official website www.vironline.com supporting more efficient, coordinated, and quality-driven design.



EZ-RECYCLABLE

Simply One Step!
Remove & Recycle.



References

VIR products are used in numerous high-profile projects across the civil, commercial, and industrial sectors, where reliability, performance, and regulatory compliance are essential requirements. From water distribution to complex HVAC systems, VIR solutions contribute to the realization of efficient, safe, and long-lasting installations.

The references presented demonstrate the Group's ability to support medium and large-scale projects, working in collaboration with designers, installers, and clients to deliver modern and sustainable infrastructure solutions across a wide range of application contexts and geographic areas.

ZUCCHETTI VILLAGE (MI) - ITALY



DATA CENTER EQUINIX (MI) - ITALY



THE WAVE - MILANO - ITALY



MONCLAIR - MILANO - ITALY



ARENA SANTA GIULIA - MILANO - ITALY



VISTA OSTUNI HOTEL - PUGLIA



FERRARI PAINTSHOP BUILDING - MARANELLO (MO) - ITALY



THE MIDTOWN BY DEYAAR - DUBAI



SABI BEACH CLUB - MALTA



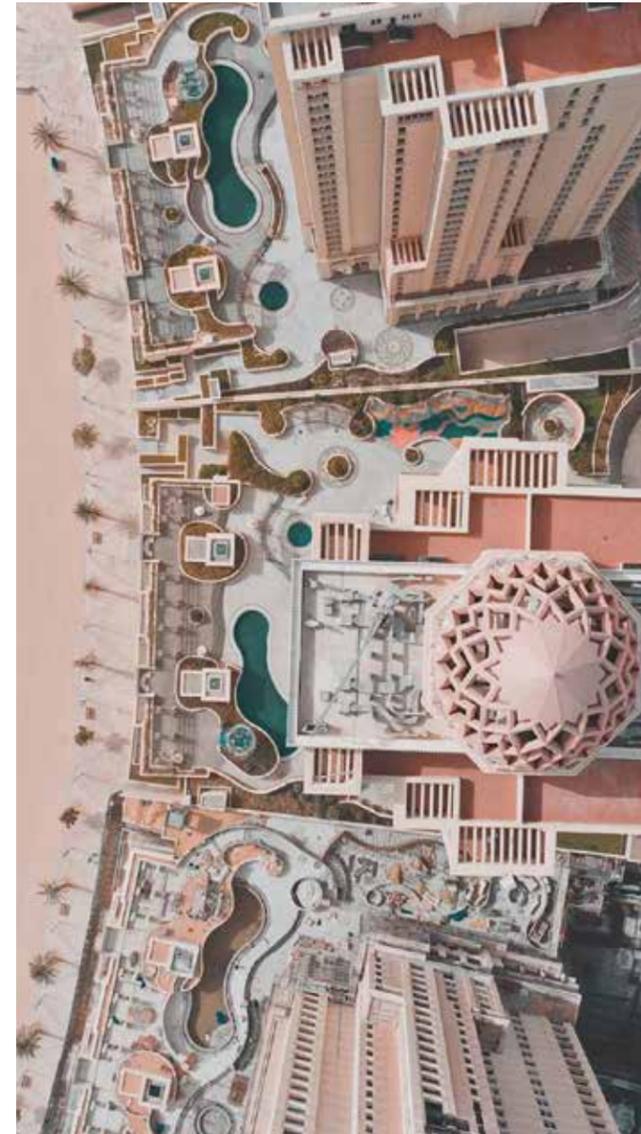
HILTON HOTEL - MALTA



EMAAR - GRAND BLUE TOWER - DUBAI



THE PEARL DOHA - QATAR



SOBHA-S TOWER - DUBAI



THE QUAD BUSINESS TOWERS - MALTA



ACQUASAFE: the new Lead-Free generation

With over fifty years of experience, VIR has continuously invested in research, technological innovation, and materials development, with the goal of delivering safe, sustainable products that comply with the most advanced international standards. An industrial journey driven by forward-looking decisions that has led to the creation of a complete range of low-lead valves designed to protect both health and water resources.

In 1998, VIR took a pioneering step by introducing ECOWAVE, the first system for removing lead from brass. A groundbreaking innovation at the time, marking the real beginning of the company's evolution toward increasingly responsible solutions focused on drinking water safety.

As early as 1999, VIR began supplying lead-washed valves to the State of California, anticipating international trends and future regulatory frameworks. From the early adoption of the California AB1953 Lead Free Law and NSF/ANSI 61 and 372 standards, to the development of DZR alloys and fully lead-free bronze solutions, the company has strengthened its approach to responsible innovation and global regulatory compliance.

This ongoing commitment led to the development of ACQUASAFE, the new generation of low-lead brass ball valves. A reliable and advanced solution, the result of decades of research, industrial responsibility, and focus on sustainability, representing today the synthesis of VIR's commitment to water, health, and the future.

With the installation of the first ECOWAVE system for lead removal, the company takes a pioneering step toward cleaner and more sustainable production.

Start of production of lead-washed valves for the California market, anticipating upcoming Lead-Free regulations.

Among the first to comply with the California Lead Free law (AB 1953) and NSF 61/372 standards, strengthening our commitment to water quality.

Launch of our first low-lead DZR brass balancing valves, a symbol of innovation and reliability.

Start of production of low-lead control ball valves with actuator, combining technology and sustainability.

NSF 372 requirements become the national reference standard in the United States for "Lead-Free" plumbing products through the Reduction of Lead in Drinking Water Act (RLDWA).

Achievement of 50% of total production in Lead-Free and DZR Lead-Free valves, confirming our leadership in the sector.

Start of production of low-lead bronze valves (<0.1), expanding our range of sustainable materials.

Introduction of low-lead DZR brass thermostatic balancing valves: a further step forward where performance, efficiency, and environmental responsibility matter.

Conversion of production to lead-free valves also for the Canadian market, in compliance with the requirements of the new NSF/ANSI/CAN 372 standard.

flowing ideas 2026



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NEW	N	New item, recently added to the catalog.
OUT	O	Item in phase out, available while stocks last.
C	C	Item available on request.

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PICV
9700 · 9705 · 9703 · 9705B · 9755
DPCV
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Handwheel · Capillary tube kit



STATIC BALANCING VALVES

9505

Variable orifice bronze double reg. valve

PN25



Threaded F/F (ISO 228/1)
Bronze body, inner components and test points in DZR brass
PTFE disc gasket, EPDM Perox O-rings
ABS handwheel, supplied with allen key for setting
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F9505B010.946	010 - 3/8"	15	7,2
F9505B015.946	015 - 1/2"	15	8,2
F9505B020.946	020 - 3/4"	15	8,8
F9505B025.946	025 - 1"	10	7,2
F9505B032.946	032 - 1 1/4"	10	11,1
F9505B040.946	040 - 1 1/2"	8	11,9
F9505B050.946	050 - 2"	5	10,2

STF version available

9515

Fixed orifice DZR brass double reg. valve

PN25



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Body, inner components and test points in DZR brass
PTFE disc gasket, EPDM Perox O-rings
ABS handwheel, supplied with allen key for setting
DN15 also for low (L), very low (U) and ultra low flows (X)
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F95V04015.1094	X 015 - X 1/2"	15	8,8
F95V03015.1094	U 015 - U 1/2"	15	8,8
F95V02015.1094	L 015 - L 1/2"	15	8,8
F95V01015.1094	015 - 1/2"	15	8,7
F95V01020.1094	020 - 3/4"	10	6,4
F95V01025.870	025 - 1"	10	7,7
F95V01032.870	032 - 1 1/4"	8	10,1
F95V01040.870	040 - 1 1/2"	6	9,5
F95V01050.870	050 - 2"	5	10,9

Version with copper pipe adaptors on request

9585

Fixed orifice bronze double reg. valve

PN25



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Bronze body, inner components and test points in DZR brass
PTFE disc gasket, EPDM Perox O-rings
ABS handwheel, supplied with allen key for setting
DN15 also for low (L) and very low flows (U)
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F95Z03015.2039	U 015 - U 1/2"	15	8,6
F95Z02015.2039	L 015 - L 1/2"	15	8,6
F95Z01015.2039	015 - 1/2"	15	8,5
F95Z01020.2039	020 - 3/4"	10	6,3
F95Z01025.2033	025 - 1"	10	8,0
F95Z01032.2033	032 - 1 1/4"	8	10,5
F95Z01040.2033	040 - 1 1/2"	6	10,1
F95Z01050.2033	050 - 2"	5	11,4

Version with cap and olive for copper pipe available on request

9525

DZR Brass ON/OFF terminal balancing valve

PN20



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Body, inner components and test points in DZR brass
Disc gasket and O-rings in EPDM Perox
ABS ON/OFF cap
DN15 also in low flow version (L)
Working conditions: Water, -10°C to +130°C
Max 20bar up to 80°C, max 10bar at 130°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F95E0L015.1934	L 015 - L 1/2"	20	7,2
F95E00015.1934	015 - 1/2"	20	6,8
F95E00020.1934	020 - 3/4"	20	10,4
F95E00025.1934	025 - 1"	20	12,8
F95E00032.1934	032 - 1 1/4"	18	17,5 N
F95E00040.1934	040 - 1 1/2"	10	12,5 C
F95E00050.1934	050 - 2"	10	17,6

Actuable valve. Table in the ACTUATORS chapter

9535

Variable orifice DZR brass double reg. valve

PN20



Threaded F/F (ISO 228/1 for DN15/20, ISO7/1 Rp above)
Body, inner components and test points in DZR brass
Disc gasket and O-rings in EPDM Perox
ABS handwheel, supplied with allen key for setting
DN15 also in low flow version (L)
Working conditions: Water, -10°C to +130°C
Max 20bar up to 80°C, max 10bar at 130°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F95EBL015.2028	L 015 - L 1/2"	20	7,0
F95EB0015.2028	015 - 1/2"	20	7,8
F95EB0020.2028	020 - 3/4"	20	10,2
F95EB0025.2028	025 - 1"	20	13,0 C

STATIC BALANCING VALVES

9555P

Cast iron double reg. valve with test points

PN16

ERC CE



Flanged PN16 (EN1092-2)
Cast iron body
Brass inner components, EPDM O-ring gaskets
Composite material regulating disc
Polyamid handwheel
Supplied with 2 test points in DZR brass (unmounted)
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F9500I040.1959	040 - 1 1/2"	1	6,1
F9500I050.1959	050 - 2"	1	8,3
F9500I065.1959	065 - 2 1/2"	1	13,4
F9500I080.1959	080 - 3"	1	17,5
F9500I100.1959	100 - 4"	1	24,0
F9500I125.1959	125 - 5"	1	34,0
F9500I150.1959	150 - 6"	1	48,5
F9500I200.1959	200 - 8"	1	114,5
F9500I250.1959	250 - 10"	1	159,0
F9500I300.1959	300 - 12"	1	210,5
F9500I350.3161	350 - 14"	1	375,0
F9500I400.3161	400 - 16"	1	510,0

Available version with ANSI flange

9555H

Ductile iron double reg. valve with variable orifice

PN25

CE



Flanged PN25 (EN1092-2)
Ductile iron body
EPDM gasket
Ductile iron handwheel
Supplied with 2 test points in brass
Working conditions: Water, 0°C to +110°C



Vir Code	DN mm	Pcs./box	Box [Kg]
F9555H065.3312	065 - 2 1/2"	1	14,7
F9555H080.3312	080 - 3"	1	17,0
F9555H100.3312	100 - 4"	1	24,3
F9555H125.3312	125 - 5"	1	32,7
F9555H150.3312	150 - 6"	1	44,8
F9555H200.3312	200 - 8"	1	83,0
F9555H250.3312	250 - 10"	1	123,0
F9555H300.3312	300 - 12"	1	168,0

9555J

Variable orifice cast iron double regulating valve grooved

PN16

ERC



Grooved (ANSI/AWWA C606 / Metric)
Cast iron body
EPDM O-ring gaskets
Balancing cone in Ductile Iron
Supplied with 2 test points in DZR brass
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F9555J040.3210	48,0	1	5,8
F9555J050.3210	60,3	1	9,0
F9555J065.3210	76,1 *	1	10,8
F9555J080.3210	88,9	1	26,8
F9555J100.3210	114,3	1	27,4
F9555J125.3210	139,7 *	1	52,8
F9555J150.3210	165,1 *	1	63,8
F9555J200.3210	219,1	1	161,0
F9555J250.3210	273,0	1	252,0
F9555J300.3210	323,9	1	310,0

* Metric groove standard



9595

Stainless steel balancing ball valve

PN25

ERC CE



Flanged PN40 for DN≤50, PN16 above (EN1092-1)
Body and ball in stainless steel SS316
FPM stem seal, PTFE seats
PN16 for DN≥65
Working conditions: Water, -20°C to +200°C
DN≤50, max 25bar up to 131°C, max 0bar at 200°C
DN≥65, max 16bar up to 156°C, max 0bar at 200°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F95950015.1775	015 - 1/2"	1	2,2
F95950020.1775	020 - 3/4"	1	2,6
F95950025.1775	025 - 1"	1	3,1
F95950032.1775	032 - 1 1/4"	1	4,7
F95950040.1775	040 - 1 1/2"	1	5,9
F95950050.1775	050 - 2"	1	7,6
F95950065.1775	065 - 2 1/2"	1	9,8
F95950080.1775	080 - 3"	1	11,3
F95950100.1775	100 - 4"	1	15,0
F95950125.1775	125 - 5"	1	22,0
F95950150.1775	150 - 6"	1	30,4
F95950200.1775	200 - 8"	1	51,0
F95950250.1775	250 - 10"	1	100,0

9594

Stainless steel balancing ball valve

PN25

ERC CE



Welding ends
Body and ball in stainless steel SS316
FPM stem seal, PTFE seats
PN25 for DN≥65
Working conditions: Water, -20°C to +200°C
DN≤50, max 25bar up to 131°C, max 0bar at 200°C
DN≥65, max 16bar up to 156°C, max 0bar at 200°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F95940015.1215	015 - 1/2"	1	0,9
F95940020.1215	020 - 3/4"	1	0,9
F95940025.1215	025 - 1"	1	1,1
F95940032.1215	032 - 1 1/4"	1	1,3
F95940040.1215	040 - 1 1/2"	1	2,1
F95940050.1215	050 - 2"	1	2,6
F95940065.1215	065 - 2 1/2"	1	4,3
F95940080.1215	080 - 3"	1	5,2
F95940100.1215	100 - 4"	1	7,2
F95940125.1215	125 - 5"	1	11,5
F95940150.1215	150 - 6"	1	16,4
F95940200.1215	200 - 8"	1	36,0
F95940250.1215	250 - 10"	1	71,0



STATIC BALANCING VALVES

9400

DZR brass metering station

PN25



Threaded M/F ISO7/1 Rp (F side ISO 228/1 on DN15 and DN20)
Body and Venturi insert in DZR brass
EPDM/NBR test point gaskets
DN15 also for low (L), very low (U) and ultra low flows (X)
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



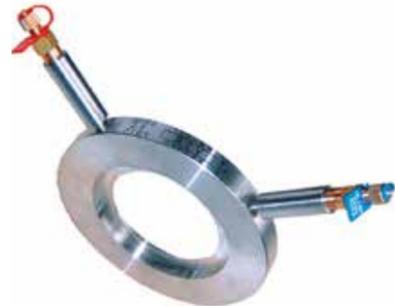
Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F95MS4015.1096	X 015 - X 1/2"	25	5,5
F95MS3015.1096	U 015 - U 1/2"	25	5,5
F95MS2015.1096	L 015 - L 1/2"	25	5,4
F95MS1015.1096	015 - 1/2"	25	5,3
F95MS1020.1096	020 - 3/4"	25	6,4
F95MS1025.707	025 - 1"	15	5,3
F95MS1032.707	032 - 1 1/4"	15	6,9
F95MS1040.707	040 - 1 1/2"	10	5,3
F95MS1050.707	050 - 2"	10	7,6

Version with copper pipe adaptors on request

9450

Stainless steel orifice plate

PN16



Wafer type suitable for EN1092 PN16 flanges
SS316 stainless steel body (SS304 for DN≥450)
Supplied with extensions and test points
PN10 for DN≥350
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F94500040.1073	040 - 1 1/2"	1	1,0
F94500050.1073	050 - 2"	1	1,1
F94500065.1073	065 - 2 1/2"	1	1,5
F94500080.1073	080 - 3"	1	1,8
F94500100.1073	100 - 4"	1	2,0
F94500125.1073	125 - 5"	1	2,6
F94500150.1073	150 - 6"	1	3,0
F94500200.1073	200 - 8"	1	4,1
F94500250.1073	250 - 10"	1	5,4
F94500300.1073	300 - 12"	1	6,8
F94500350.1073	350 - 14"	1	12,4
F94500400.1073	400 - 16"	1	14,5
F94500450.2383	450 - 18"	1	17,0
F94500500.2383	500 - 20"	1	21,0
F94500600.2383	600 - 24"	1	35,0

C

DYNAMIC BALANCING VALVES - AUTOMATIC

9900P

DZR brass automatic balancing valve

PN25



Threaded F/F union ends (ISO 7/1 Rp)
With metal cartridges from 0,02l/s to 2,6l/s
2 available ΔP ranges (up to max 440kPa depending on DN)
DZR brass body and cartridge
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]	Cartridge Size
F990P0015.2281	015 - 1/2"	25	7,3	MINI
F990P0H15.2281	H 015 - H 1/2"	25	11,1	SMALL
F990POL20.2281	L 020 - L 3/4"	25	9,1	MINI
F990P0020.2281	020 - 3/4"	25	10,0	SMALL
F990P0025.2281	025 - 1"	25	14,7	SMALL
F990P0032.2281	032 - 1 1/4"	10	13,4	MEDIUM
F990P0040.2281	040 - 1 1/2"	10	14,9	MEDIUM
F990P0050.2281	050 - 2"	10	20,3	MEDIUM

9905V

DZR brass automatic balancing valve

PN25



Threaded F/F union ends (ISO 7/1 Rp)
With metal cartridges from 0,02l/s to 9,7l/s
2 available ΔP ranges (up to max 440kPa depending on DN)
DZR brass body, test points and cartridge
Working conditions: Water, -10°C to +130°C (110°C for DN≥65)
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]	Cartridge Size
F990V5015.1904	015 - 1/2"	25	9,4	MINI
F990V5H15.1904	H 015 - H 1/2"	25	13,1	SMALL
F990V5L20.1904	L 020 - L 3/4"	25	11,5	MINI
F990V5020.1904	020 - 3/4"	25	13,4	SMALL
F990V5025.1904	025 - 1"	25	16,4	SMALL
F990V5032.1904	032 - 1 1/4"	10	15,5	MEDIUM
F990V5040.1904	040 - 1 1/2"	10	15,3	MEDIUM
F990V5050.1904	050 - 2"	10	20,6	MEDIUM
F990V5H50.1904	H 050 - H 2"	2	7,3	LARGE
F990V5065.1904	065 - 2 1/2"	2	7,7	LARGE

DYNAMIC BALANCING VALVES - AUTOMATIC

9955

Ductile iron dynamic balancing valve

PN16

ERC



Wafer type suitable for EN1092 PN16 flanges
With metal cartridges from 1,6l/s to 6,6l/s
Multi cartridge system for valves DN100 and above
With DZR brass extended test points
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]	Cartridge Size
F9955V065.2448	065 - 2 1/2"	1	4,1	LARGE X 1
F9955V080.2448	080 - 3"	1	5,6	LARGE X 1
F9955V100.2448	100 - 4"	1	8,4	LARGE X 2
F9955V125.2448	125 - 5"	1	10,6	LARGE X 3
F9955V150.2448	150 - 6"	1	12,5	LARGE X 4
F9955V200.2448	200 - 8"	1	15,8	LARGE X 7
F9955V250.2448	250 - 10"	1	22,3	LARGE X 10
F9955V300.2448	300 - 12"	1	27,7	LARGE X 14

Version PN25 available on request (.2449)

KRR

Cartridges for automatic balancing valves

ERC



Cartridges for 9900P, 9905V and 9955
DZR brass body
Spring in stainless steel
Wide range of flows available
For Fig. 9955 blind caps must be used to blind off unused slots

Vir Code	Pcs./box	Pcs./box
MINI	1	0,05
SMALL	1	0,11
MEDIUM	1	0,28
LARGE	1	1,41

MINI			
Codice Vir	Range	Flow l/s	DP (kPa)
KRR991202.1880	STD	0,02 l/sec	15 - 170
KRR991203.1880	STD	0,03 l/sec	16 - 220
KRR991204.1880	STD	0,04 l/sec	16 - 220
KRR991205.1880	STD	0,05 l/sec	16 - 220
KRR991206.1880	STD	0,06 l/sec	16 - 220
KRR991207.1880	STD	0,07 l/sec	16 - 220
KRR991208.1880	STD	0,08 l/sec	16 - 220
KRR991209.1880	STD	0,09 l/sec	16 - 220
KRR991210.1880	STD	0,10 l/sec	16 - 220
KRR991211.1880	STD	0,11 l/sec	17 - 220
KRR991212.1880	STD	0,12 l/sec	17 - 220
KRR991213.1880	STD	0,13 l/sec	17 - 220
KRR991214.1880	STD	0,14 l/sec	17 - 220
KRR991215.1880	STD	0,15 l/sec	17 - 220
KRR991216.1880	STD	0,16 l/sec	17 - 220
KRR991218.1880	STD	0,18 l/sec	18 - 220
KRR991220.1880	STD	0,20 l/sec	19 - 220

MEDIUM			
Codice Vir	Range	Flow l/s	DP (kPa)
KRR994231.1880	STD	0,31 l/sec	13 - 230
KRR994234.1880	STD	0,34 l/sec	13 - 230
KRR994237.1880	STD	0,37 l/sec	13 - 230
KRR994240.1880	STD	0,40 l/sec	14 - 230
KRR994246.1880	STD	0,46 l/sec	14 - 230
KRR994250.1880	STD	0,50 l/sec	14 - 230
KRR994255.1880	STD	0,55 l/sec	14 - 230
KRR994258.1880	STD	0,58 l/sec	14 - 230
KRR994262.1880	STD	0,62 l/sec	14 - 230
KRR994267.1880	STD	0,67 l/sec	15 - 230
KRR994274.1880	STD	0,74 l/sec	15 - 230
KRR994283.1880	STD	0,83 l/sec	15 - 230
KRR994290.1880	STD	0,90 l/sec	15 - 230
KRR994297.1880	STD	0,91 l/sec	15 - 230
KRR994210.1880	STD	1,05 l/sec	15 - 230
KRR994212.1880	STD	1,20 l/sec	15 - 230
KRR994213.1880	STD	1,30 l/sec	16 - 230
KRR994314.1880	STD	1,44 l/sec	17 - 230
KRR994316.1880	STD	1,56 l/sec	17 - 230
KRR994317.1880	STD	1,68 l/sec	18 - 230
KRR994318.1880	STD	1,80 l/sec	19 - 230
KRR994320.1880	STD	1,96 l/sec	19 - 230
KRR994341.1880	HP	0,41 l/sec	26 - 420
KRR994346.1880	HP	0,46 l/sec	26 - 420
KRR994351.1880	HP	0,51 l/sec	26 - 420
KRR994355.1880	HP	0,55 l/sec	27 - 420
KRR994362.1880	HP	0,62 l/sec	27 - 420
KRR994368.1880	HP	0,68 l/sec	27 - 420
KRR994374.1880	HP	0,74 l/sec	27 - 420
KRR994379.1880	HP	0,79 l/sec	27 - 420
KRR994383.1880	HP	0,83 l/sec	27 - 420
KRR994391.1880	HP	0,91 l/sec	28 - 420
KRR994310.1880	HP	1,00 l/sec	28 - 420
KRR994311.1880	HP	1,11 l/sec	28 - 420
KRR994312.1880	HP	1,20 l/sec	29 - 420
KRR994313.1880	HP	1,30 l/sec	29 - 420
KRR994314.1880	HP	1,39 l/sec	29 - 420
KRR994316.1880	HP	1,64 l/sec	30 - 420
KRR994318.1880	HP	1,75 l/sec	31 - 420
KRR994319.1880	HP	1,90 l/sec	31 - 420
KRR994321.1880	HP	2,06 l/sec	32 - 420
KRR994322.1880	HP	2,23 l/sec	34 - 420
KRR994324.1880	HP	2,40 l/sec	35 - 420
KRR994326.1880	HP	2,60 l/sec	38 - 420

LARGE			
Codice Vir	Range	Flow l/s	DP (kPa)
KRR996216.1880	STD	1,6 l/sec	14 - 230
KRR996218.1880	STD	1,8 l/sec	14 - 230
KRR996220.1880	STD	2,0 l/sec	14 - 230
KRR996222.1880	STD	2,2 l/sec	15 - 230
KRR996224.1880	STD	2,4 l/sec	15 - 230
KRR996227.1880	STD	2,7 l/sec	15 - 230
KRR996230.1880	STD	3,0 l/sec	16 - 230
KRR996233.1880	STD	3,3 l/sec	16 - 230
KRR996236.1880	STD	3,6 l/sec	16 - 230
KRR996240.1880	STD	4,0 l/sec	17 - 230
KRR996245.1880	STD	4,5 l/sec	17 - 230
KRR996250.1880	STD	5,0 l/sec	19 - 230
KRR996255.1880	STD	5,5 l/sec	19 - 230
KRR996260.1880	STD	6,0 l/sec	21 - 230
KRR996266.1880	STD	6,6 l/sec	21 - 230
KRR996273.1880	STD	7,3 l/sec	25 - 230
KRR996280.1880	STD	8,0 l/sec	28 - 230
KRR996288.1880	STD	8,8 l/sec	35 - 230
KRR996297.1880	STD	9,7 l/sec	40 - 230

SMALL			
Codice Vir	Range	Flow l/s	DP (kPa)
KRR992213.1880	STD	0,13 l/sec	17 - 240
KRR992215.1880	STD	0,15 l/sec	17 - 240
KRR992217.1880	STD	0,17 l/sec	17 - 240
KRR992219.1880	STD	0,19 l/sec	17 - 240
KRR992221.1880	STD	0,21 l/sec	18 - 240
KRR992224.1880	STD	0,24 l/sec	18 - 240
KRR992227.1880	STD	0,27 l/sec	18 - 240
KRR992230.1880	STD	0,30 l/sec	18 - 240
KRR992233.1880	STD	0,33 l/sec	18 - 240
KRR992236.1880	STD	0,36 l/sec	18 - 240
KRR992240.1880	STD	0,40 l/sec	18 - 240
KRR992245.1880	STD	0,45 l/sec	19 - 240
KRR992250.1880	STD	0,50 l/sec	19 - 240
KRR992255.1880	STD	0,55 l/sec	21 - 240
KRR992260.1880	STD	0,60 l/sec	22 - 240
KRR992266.1880	STD	0,66 l/sec	24 - 240
KRR992272.1880	STD	0,72 l/sec	24 - 240
KRR992318.1880	HP	0,18 l/sec	29 - 440
KRR992320.1880	HP	0,20 l/sec	32 - 440
KRR992323.1880	HP	0,23 l/sec	33 - 440
KRR992327.1880	HP	0,27 l/sec	33 - 440
KRR992329.1880	HP	0,29 l/sec	33 - 440
KRR992332.1880	HP	0,32 l/sec	33 - 440
KRR992336.1880	HP	0,36 l/sec	33 - 440
KRR992340.1880	HP	0,40 l/sec	33 - 440
KRR992345.1880	HP	0,45 l/sec	33 - 440
KRR992350.1880	HP	0,50 l/sec	33 - 440
KRR992355.1880	HP	0,55 l/sec	34 - 440
KRR992361.1880	HP	0,61 l/sec	36 - 440
KRR992368.1880	HP	0,68 l/sec	36 - 440
KRR992375.1880	HP	0,75 l/sec	36 - 440
KRR992380.1880	HP	0,80 l/sec	36 - 440
KRR992386.1880	HP	0,86 l/sec	40 - 440
KRR992395.1880	HP	0,95 l/sec	40 - 440

DYNAMIC BALANCING VALVES - PICV

9700

Pressure independent control valve (PICV)

PN20



Threaded M/M for unions (ISO 228/1)
With integral regulation cartridge for ΔP up to 400kPa
Full stroke modulation independently from the presetting
Body and inner components in DZR brass
Stainless steel spring, diaphragm and O-rings in EPDM
Working conditions: Water, -10°C to +130°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F97000L15.2436	L 015 - L 1/2"	16	6,1
F97000015.2436	015 - 1/2"	16	6,1
F97000020.2436	020 - 3/4"	12	7,0
F97000025.2436	025 - 1"	9	8,3
F97000032.2436	032 - 1 1/4"	6	7,9

- ▶ Unions and nuts in the **ACCESSORIES** section at the end of the chapter
- ▶ Actuable valve. Table in the **ACTUATORS** chapter

9705

Pressure independent control valve (PICV)

PN20



Threaded M/M for unions (ISO 228/1)
With integral regulation cartridge for ΔP up to 400kPa
Full stroke modulation independently from the presetting
Body, inner components and test points in DZR brass
Stainless steel spring, diaphragm and O-rings in EPDM
Working conditions: Water, -10°C to +130°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F97050L15.2437	L 015 - L 1/2"	16	6,6
F97050015.2437	015 - 1/2"	16	6,6
F97050020.2437	020 - 3/4"	12	7,4
F97050025.2437	025 - 1"	9	8,6
F97050032.2437	032 - 1 1/4"	6	8,1

- ▶ Unions and nuts in the **ACCESSORIES** section at the end of the chapter
- ▶ Actuable valve. Table in the **ACTUATORS** chapter

9703

Pressure independent control valve (PICV)

PN20



Threaded M/M for unions (ISO 228/1)
With integral regulation cartridge for ΔP up to 400kPa
Full stroke modulation independently from the presetting
Body, inner components and test points in DZR brass
Stainless steel spring, diaphragm and O-rings in EPDM
Working conditions: Water, -10°C to +130°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F97030L15.3055	L 015 - L 1/2"	16	6,5
F97030015.3055	015 - 1/2"	16	6,5
F97030020.3055	020 - 3/4"	12	7,3
F97030025.3055	025 - 1"	9	8,5
F97030032.3055	032 - 1 1/4"	6	8,5

- ▶ Actuable valve. Table in the **ACTUATORS** chapter

9705B

Pressure independent control valve (PICV)

PN25



Threaded F/F (ISO 7/1 Rp)
With differential pressure regulator for ΔP range 30-400kPa
Full stroke modulation independently from the presetting
Body and test points in DZR brass, ΔP regulator in PPS
Stainless steel spring, diaphragm and O-rings in EPDM
Working conditions: Water, -20 °C to 120 °C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F9705B040.2717	040 - 1 1/2"	1	3,5
F9705B050.2717	050 - 2"	1	4,0

- ▶ Actuable valve. Table in the **ACTUATORS** chapter

9755

Pressure independent control valve (PICV)

PN16



Flanged PN16 (EN1092-2)
With differential pressure regulator for ΔP up to 400kPa
With 0-10VDC modulating actuator, power supply 24V AC/DC
Actuator enclosure protection: IP54
Cast iron body, aluminum regulator, brass disc
Stainless steel springs, diaphragm and O-rings in EPDM
Working conditions: Water, -10°C to +110°C
Max 16bar up to +90°C, max 13bar at +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F97550065.2712	065 - 2 1/2"	1	25,0
F97550080.2712	080 - 3"	1	27,9
F97550100.2712	100 - 4"	1	35,3
F97550125.2712	125 - 5"	1	48,1
F97550150.2712	150 - 6"	1	77,1

DYNAMIC BALANCING VALVES - DPCV

9605

Differential pressure control valve (DPCV)

PN25

ERC



Threaded F/F (ISO 7/1Rp)
 DN15-DN32: Δp range 20-40kPa, 5-25kPa (L) or 20-65kPa (H)
 DN40: Δp range 20-40kPa, 5-25kPa (L) or 35-75kPa (H)
 DN50: Δp range 35-75kPa, 5-25kPa (U), 20-40kPa (L) or 60-100kPa (H)
 DZR brass body (cast iron for DN40 and DN50) and shutter
 Stainless steel spring, diaphragm and O-rings in EPDM
 Working conditions: Water, -20°C to +120°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
FBB00L015.2434	L 015 - L 1/2"	1	0,8
FBB00015.2434	015 - 1/2"	1	0,8
FBB00H015.2434	H 015 - H 1/2"	1	0,8
FBB00L020.2434	L 020 - L 3/4"	1	0,8
FBB00020.2434	020 - 3/4"	1	0,8
FBB00H020.2434	H 020 - H 3/4"	1	0,8
FBB00L025.2434	L 025 - L 1"	1	1,8
FBB00025.2434	025 - 1"	1	1,8
FBB00H025.2434	H 025 - H 1"	1	1,8
FBB00L032.2434	L 032 - L 1 1/4"	1	2,0
FBB00032.2434	032 - 1 1/4"	1	2,0
FBB00H032.2434	H 032 - H 1 1/4"	1	2,0
FBB00L040.2434	L 040 - L 1 1/2"	1	3,3
FBB00040.2434	040 - 1 1/2"	1	3,5
FBB00H040.2434	H 040 - H 1 1/2"	1	3,6
FBB00U050.2434	U 050 - U 2"	1	4,1 ^C
FBB00L050.2434	L 050 - L 2"	1	4,3
FBB00050.2434	050 - 2"	1	4,5
FBB00H050.2434	H 050 - H 2"	1	4,8

Capillary spare kit in the **ACCESSORIES** section at the end of the chapter

9655

Differential pressure control valve (DPCV)

PN16

ERC



Flanged PN16 (EN1092-2)
 DN65-DN100: Δp range 20-80kPa, 80-160kPa (H)
 DN125-DN150: Δp range 20-80kPa
 Cast iron body, aluminum shutter
 Stainless steel springs, diaphragm and O-rings in EPDM
 Working conditions: Water, -10°C to +110°C
 Max 16bar up to 90°C, max 13bar at 110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F96550065.2499	065 - 2 1/2"	1	21,6
F9655H065.2499	H 065 - H 2 1/2"	1	21,6
F96550080.2499	080 - 3"	1	28,1
F9655H080.2499	H 080 - H 3"	1	28,1
F96550100.2499	100 - 4"	1	33,6
F9655H100.2499	H 100 - H 4"	1	33,6
F96550125.2499	125 - 5"	1	46,4
F96550150.2499	150 - 6"	1	75,4

Capillary spare kit in the **ACCESSORIES** section at the end of the chapter

PRESSURE REDUCING VALVES

9610

Direct-acting brass pressure reducing valve

PN25

ERC



Threaded F/F (ISO 228/1)
 Max pressure reduction ratio 10:1
 Downstream setting press. range from 0,5bar (1,5bar for DN≥32) to 6bar
 Brass metal parts, stainless steel spring, NBR/Fasit gaskets
 Piston type, pressure compensation system
 With threaded F (1/4" ISO 228/1) pressure gauge connection
 Working conditions: Water, 0°C a +80°C; Air, 0°C to +80°C
 PN16 when used with air



OUT

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F96100015.3016	015 - 1/2"	30	23,7
F96100020.3016	020 - 3/4"	20	17,2
F96100025.3016	025 - 1"	15	20,1
F96100032.3016	032 - 1 1/4"	6	12,6
F96100040.3016	040 - 1 1/2"	6	13,1
F96100050.3016	050 - 2"	4	12,4
F96100065.3016	065 - 2 1/2"	4	16,4
F96100080.3016	080 - 3"	4	22,1
F96100100.3016	100 - 4"	2	13,9

9610DR

Direct-acting DZR brass pressure reducing valve

PN25

ERC



Threaded F/F (ISO 228/1)
 Max pressure reduction ratio 10:1
 Downstream setting press. range from 0,5bar (1,5bar for DN≥32) to 6bar
 DZR brass metal parts, stainless steel spring, NBR/Fasit gaskets
 Piston type, pressure compensation system
 With threaded F (1/4" ISO 228/1) pressure gauge connection
 Working conditions: Water, 0°C a +80°C; Air, 0°C to +80°C
 PN16 when used with air



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F96100015.2718	015 - 1/2"	30	23,7
F96100020.2718	020 - 3/4"	20	17,2
F96100025.2718	025 - 1"	15	20,1
F96100032.2718	032 - 1 1/4"	6	12,5
F96100040.2718	040 - 1 1/2"	6	13,1
F96100050.2718	050 - 2"	3	9,3
F96100065.2718	065 - 2 1/2"	4	16,4
F96100080.2718	080 - 3"	2	11,1
F96100100.2718	100 - 4"	2	13,9

PRESSURE REDUCING VALVES

9660

Pilot operated ductile iron pressure reducing valve

PN16



Flanged PN16 (EN1092-2)
Body in ductile iron
Downstream setting pressure range from 1,6 bar to 16,0 bar
Operation with pilot valve to stabilize the pressure independent from the flow rate
Working conditions: Water, 0°C to +80°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F9660I050.3070	050 - 2"	1	13,5
F9660I065.3070	065 - 2 1/2"	1	18,6
F9660I080.3070	080 - 3"	1	21,2
F9660I100.3070	100 - 4"	1	30,7
F9660I125.3070	125 - 5"	1	45,0
F9660I150.3070	150 - 6"	1	65,0
F9660I200.3070	200 - 8"	1	138,0
F9660I250.3070	250 - 10"	1	271,0
F9660I300.3070	300 - 12"	1	409,0

9660BY

Pilot operated ductile iron pressure reducing valve

PN16



Flanged PN16 (EN1092-2)
Body in ductile iron
Downstream setting pressure range from 1,6 bar to 16,0 bar
Operation with pilot valve to stabilize the pressure independent from the flow rate
Low-flow bypass regulated with a direct-operated pressure reducing valve
Working conditions: Water, 0°C to +80°C



NEW

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F9660I050.3593	050 - 2"	1	16,0
F9660I065.3593	065 - 2 1/2"	1	21,3
F9660I080.3593	080 - 3"	1	26,7
F9660I100.3593	100 - 4"	1	34,6
F9660I125.3593	125 - 5"	1	45,0
F9660I150.3593	150 - 6"	1	77,0
F9660I200.3593	200 - 8"	1	143,0
F9660I250.3593	250 - 10"	1	330,0
F9660I300.3593	300 - 12"	1	383,0

ACCESSORIES

Nuts and unions



Nuts and unions for 9700 and 9705 series
Nut threaded F ISO 228/1 and union threaded M ISO 7/1 R
Brass nut and DZR brass union
NBR bonded aramid fiber gasket

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KBC9MI015.2517	015 - 1/2"	1	0,1
KBC9MI020.2517	020 - 3/4"	1	0,2
KBC9MI025.2517	025 - 1"	1	0,4
KBC9MI032.2517	032 - 1 1/4"	1	0,5

95TP

Pressure test points

PN25



Threaded M 1/4" ISO 7/1 R
Body and cap in DZR brass
Gaskets in NBR/EPDM, polypropylene tie
Working conditions: Water, -15°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 95TP, short version			
KC95TP008.710	Red tie	10	0,3
KC95TP008.711	Blue tie	10	0,3
Fig. 95TP, long version with extension			
KPR95TP08.2282	Red tie	10	0,9
KPR95TP08.2283	Blue tie	10	0,9
Extension			
KPR95TP08.1178	008 - 1/4"	10	0,6

9315

Pressure test point with drain

PN25



Threaded M 1/4" ISO 7/1 R
Threaded M 1/2" ISO 228/1 drain
Body and cap in DZR brass
Gaskets in NBR/EPDM, polypropylene tie
Safety spring in plastic material
Working conditions: Water, -10°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
KDV950008.1151	Red tie	40	6,4

ACCESSORIES

Shells

Shells for balancing valves



Polyethylene cross linked foam
 Thickness 30mm
 Thermal conductivity (Lambda factor, kcal/mh°C):
 0,0298 at 0°C, 0,0303 at 10°C, 0,0326 at 40°C
 Working conditions: -60°C to +90°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [g]
KSHfig015.1976	015 - 1/2"	1	30
KSHfig020.1976	020 - 3/4"	1	30
KSHfig025.1976	025 - 1"	1	30
KSHfig032.1976	032 - 1 1/4"	1	80
KSHfig040.1976	040 - 1 1/2"	1	80
KSHfig050.1976	050 - 2"	1	80
KSHfig065.1976	065 - 2 1/2"	1	130
KSHfig080.1976	080 - 3"	1	200
KSHfig100.1976	100 - 4"	1	320
KSHfig125.1976	125 - 5"	1	500
KSHfig150.1976	150 - 6"	1	700
KSHfig200.1976	200 - 8"	1	1200
KSHfig250.1976	250 - 10"	1	2000
KSHfig300.1976	300 - 12"	1	2800

Ordering code for Fig.9505: KSH950mis.1976 with mis. from 015 to 050
 Ordering code for Fig.9555P: KSH950mis.1976 with mis. from 065 to 300
 Ordering code for Fig. 9515: KSH95Vmis.1976 with mis. from 015 to 050
 Shells for other VIR balancing valves available on request

SPARE PARTS

Spare handwheel for balancing valves



ABS spare hendwheel for fig. 9505, 9515, 9585

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KXV950015.3402	-	1	0,2

Spare handwheel



Spare hendwheel for fig. 9555P

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KXV955040.2220	40-50	1	0,1
KXV955065.2220	65-150	1	0,1
KXV955200.2220	200-300	1	1,0
KXV955350.2220	350-400	1	1,9

T650

Diff. pressure manometer with flow calculation



Battery powered
 With flow calculation App running on smartphone (NOT included)
 App requires at least Android 7.0 or iOS 10.3
 Enclosure protection: IP65
 1000 kPa pressure range
 Working conditions: -5°C to 90°C (fluid), -5°C to 50° (ambient)



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KMMMAND04.720	-	1	1,8
Spare measuring needles for VIR test point			
KMM2AG000.1451	-	1	0,3
Spare hoses for differential manometer			
KMMCAVIBR.1452	-	1	0,2

Spare capillary tube kit for DPCV



Capillary pipe and joints for 9605 and 9655 series
 Copper capillary pipe and brass joints

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 9605			
KCN960008.3212	-	1	0,1
Fig. 9655			
KCN965508.3212	-	1	0,2

EZ-CONNECT INDEX

CONNECTION KIT FOR TERMINAL UNITS p.40

91BY-9703 · 92HS · EZCONN SHELL



CONNECTION KIT FOR TERMINAL UNITS

91BY-9703

EzConnect kit per unità terminali

PN20



- Fig. 91BY valve for HVAC terminal units mounting
 - Fig. 91F DZR strainer
 - Fig. 9703 pressure independent control valve (PICV)
- Working conditions: Water, -10°C to +130°C
Max 20bar up to 100°C, max 10bar at 130°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
JLQ2A5030.3	1/2" - 1/2"	1	1,7
JLQ2A5034.3	3/4" - 1/2"	1	1,9
JLQ3A5032.3	3/4" - 3/4"	1	2,0
JLQ3B5030.3	3/4" - 3/4"	1	2,4 C
JLQ3B5034.3	1" - 3/4"	1	3,1
JLQ4B5032.3	1" - 1"	1	3,8

* Pipe connection - Nominal size
(Flexible hoses of different sizes can be connected using dedicated nipples)

92HS

Connection flessibile hose

PN25



Threaded connection M ISO 7/1 R and swivel nut ISO 228/1
EPDM Perox hoses with stainless steel braided sleeve
DZR brass fitting with EPDM Perox gasket for one side
Length 12" (300 mm)
Working conditions: Water, up to +90°C
27,5 bar up to DN25, 20,5 bar for DN32



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
KCN9H0015.2801	015 - 1/2"	1	0,3
KCN9H0020.2801	020 - 3/4"	1	0,4
KCN9H0025.2801	025 - 1"	1	0,7
KCN9H0032.2801	032 - 1 1/4"	1	1,2
KCN9H0040.2801	040 - 1 1/2"	1	1,6 C
KCN9H0050.2801	050 - 2"	1	2,3

Available version with length of 600mm (KCN9H2mis.2801) on request

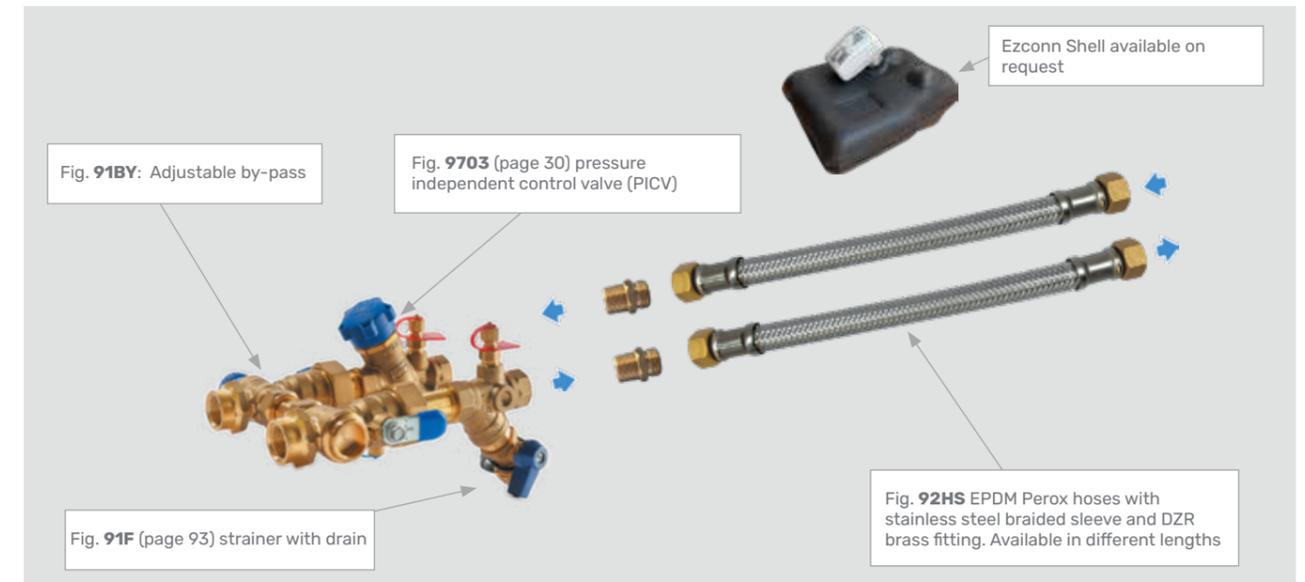
EZCONN-Shell Shell for fancoil kit



Polyethylene cross linked foam
Thickness 30mm
Thermal conductivity (Lambda factor, kcal/mh°C):
0,0298 at 0°C, 0,0303 at 10°C, 0,0326 at 40°C
Working conditions: -60°C to +90°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
KSHJLQ200.2882	DN015/DN020*	1	-
KSHJLQ300.2882	DN25**	1	- C

* Shell suitable for fig. JLQ2A5030.3 - JLQ2A5034.3 - JLQ3A5032.3
** Shell suitable for fig. JLQ4B5032.3



Connection kits can be configured as needed and supplied shrink wrapped. Example of possible configurations as per above figure



EZCONNECT 2.0 BROCHURE (ENG) - DOWNLOAD



- Description & benefits
- Main features
- Codes & configurations
- Functional schemes
- Accessories



REGULATING and CONTROL INDEX

REGULATING BALL VALVES p.44

980S • 980T • 988S • 988T

BALL VALVES FOR ACTUATORS p.46

980F • 980FT-980FL • 988F • 988FT-988FL
325 • 32TT-32TG • 325-ENO • 39BVF

ACCESSORIES p.50

32T



REGULATING BALL VALVES

980S

DZR brass 2-way regulation valve

PN16



Threaded F/F
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem, equal percentage char.
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	DN Sfera	Kv100%	Pcs./box	Box [Kg]
F980S8015.1861	015 - 1/2"	DN13	0,25	36	9,8
F980S7015.1861	015 - 1/2"	DN13	0,4	36	9,8
F980S7015.1861	015 - 1/2"	DN13	0,63	36	9,8
F980S5015.1861	015 - 1/2"	DN15	1,0	36	9,8
F980S4015.1861	015 - 1/2"	DN15	1,6	36	9,8
F980S3015.1861	015 - 1/2"	DN15	2,5	36	9,8
F980S2015.1861	015 - 1/2"	DN15	4,0	36	9,8
F980S1015.1861	015 - 1/2"	DN15	6,3	36	9,8
F980S0015.1861	015 - 1/2"	DN15	1,0	36	9,8
F980S2020.1861	020 - 3/4"	DN15	4,0	36	10,9
F980S1020.1861	020 - 3/4"	DN15	6,3	36	10,9
F980S0020.1861	020 - 3/4"	DN15	10,0	36	10,9
F980S2025.1861	025 - 1"	DN20	6,3	18	8,1
F980S1025.1861	025 - 1"	DN20	10,0	18	8,1
F980S0025.1861	025 - 1"	DN20	16,0	18	8,1
F980S2032.1861	032 - 1 1/4"	DN25	10,0	18	12,4
F980S1032.1861	032 - 1 1/4"	DN25	16,0	18	12,4
F980S0032.1861	032 - 1 1/4"	DN25	25,0	18	12,4
F980S2040.1861	040 - 1 1/2"	DN32	16,0	13	14,5
F980S1040.1861	040 - 1 1/2"	DN32	25,0	13	14,5
F980S0040.1861	040 - 1 1/2"	DN32	40,0	13	14,5
F980S2050.1861	050 - 2"	DN40	25,0	13	22,7
F980S1050.1861	050 - 2"	DN40	40,0	13	22,7
F980S0050.1861	050 - 2"	DN40	63,0	13	22,7

▶ Actuatable valve. Table in the ACTUATORS chapter

980T

DZR brass 3-way regulation valve

PN16

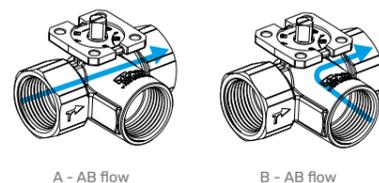


Threaded F/F/F (ISO 7/1 Rp)
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem, equal percentage char.
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	DN Sfera	Kv100%	Pcs./box	Box [Kg]
F980T4015.1861	015 - 1/2"	DN15	1,6	36	11,1
F980T3015.1861	015 - 1/2"	DN15	2,5	36	11,1
F980T2015.1861	015 - 1/2"	DN15	4,0	36	11,1
F980T1015.1861	015 - 1/2"	DN15	6,3	36	11,1
F980T2020.1861	020 - 3/4"	DN15	4,0	36	13,5
F980T1020.1861	020 - 3/4"	DN15	6,3	36	13,5
F980T1025.1861	025 - 1"	DN20	10,0	18	10,9
F980T1032.1861	032 - 1 1/4"	DN25	16,0	13	12,6
F980T1040.1861	040 - 1 1/2"	DN32	25,0	13	17,7
F980T1050.1861	050 - 2"	DN40	4,0	3	6,8
F980T0050.1861	050 - 2"	DN40	63,0	3	6,8

▶ Actuatable valve. Table in the ACTUATORS chapter



A - AB flow

B - AB flow

988S

DZR brass 2-way regulation valve

PN16



Threaded M/M (ISO 228/1 for unions)
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem, equal percentage char.
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	DN Sfera	Kv100%	Pcs./box	Box [Kg]
F988S5015.2599	015 - 1/2"	DN15	1,0	18	6,4
F988S4015.2599	015 - 1/2"	DN15	1,6	18	6,4
F988S3015.2599	015 - 1/2"	DN15	2,5	18	6,4
F988S2015.2599	015 - 1/2"	DN15	4,0	18	6,4
F988S0015.2599	015 - 1/2"	DN15	6,3	18	6,4
F988S2020.2599	020 - 3/4"	DN15	4,0	18	7,9
F988S1020.2599	020 - 3/4"	DN15	6,3	18	7,9
F988S0020.2599	020 - 3/4"	DN15	10,0	18	7,9
F988S2025.2599	025 - 1"	DN20	6,3	18	9,4
F988S1025.2599	025 - 1"	DN20	10,0	18	9,4
F988S0025.2599	025 - 1"	DN20	16,0	18	9,4
F988S2032.2599	032 - 1 1/4"	DN25	10,0	13	10,9
F988S1032.2599	032 - 1 1/4"	DN25	16,0	13	10,9
F988S0032.2599	032 - 1 1/4"	DN25	25,0	13	10,9
F988S2040.2599	040 - 1 1/2"	DN32	16,0	13	17
F988S1040.2599	040 - 1 1/2"	DN32	25,0	13	17
F988S0040.2599	040 - 1 1/2"	DN32	40,0	13	17
F988S2050.2599	050 - 2"	DN40	25,0	6	12,2
F988S1050.2599	050 - 2"	DN40	40,0	6	12,2
F988S0050.2599	050 - 2"	DN40	63,0	6	12,2

▶ Actuatable valve. Table in the ACTUATORS chapter

988T

DZR brass 3-way regulation valve

PN16

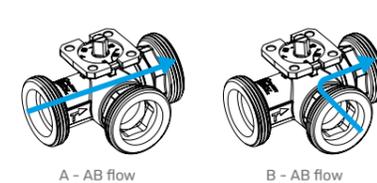


Threaded M/M/M (ISO 228/1 for unions)
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem, equal percentage char.
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	DN Sfera	Kv100%	Pcs./box	Box [Kg]
F988S4015.2599	015 - 1/2"	DN15	1,6	18	6,4
F988S3015.2599	015 - 1/2"	DN15	2,5	18	6,4
F988S2015.2599	015 - 1/2"	DN15	4,0	18	6,4
F988S0015.2599	015 - 1/2"	DN15	6,3	18	6,4
F988S2020.2599	020 - 3/4"	DN15	4,0	18	7,9
F988S1020.2599	020 - 3/4"	DN15	6,3	18	7,9
F988S0020.2599	020 - 3/4"	DN15	10,0	18	7,9
F988S2025.2599	025 - 1"	DN20	4,0	18	9,4
F988S1025.2599	025 - 1"	DN20	10,0	18	9,4
F988S0025.2599	025 - 1"	DN20	16,0	13	10,9
F988S2032.2599	032 - 1 1/4"	DN25	16,0	13	10,9
F988S1032.2599	032 - 1 1/4"	DN25	25,0	13	17
F988S0032.2599	032 - 1 1/4"	DN25	40,0	13	17
F988S2040.2599	040 - 1 1/2"	DN32	25,0	6	12,2
F988S1040.2599	040 - 1 1/2"	DN32	40,0	6	12,2
F988S0040.2599	040 - 1 1/2"	DN32	63,0	6	12,2

▶ Actuatable valve. Table in the ACTUATORS chapter



A - AB flow

B - AB flow

BALL VALVES FOR ACTUATORS

980F

DZR brass 2-way ON/OFF valve

PN16

EAC



Threaded F/F (ISO 7/1 Rp)
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F980F0015.2390	015 - 1/2"	36	9,9
F980F0020.2390	020 - 3/4"	36	13,0
F980F0025.2390	025 - 1"	18	8,4
F980F0032.2390	032 - 1 1/4"	18	12,4
F980F0040.2390	040 - 1 1/2"	13	14,6
F980F0050.2390	050 - 2"	13	22,8

Actuatable valve. Table in the ACTUATORS chapter

988F

DZR brass 2-way ON/OFF valve

PN16

EAC



Threaded M/M (ISO 228/1 for union)
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F988F0015.2596	015 - 1/2"	18	6,5
F988F0020.2596	020 - 3/4"	18	8,5
F988F0025.2596	025 - 1"	18	9,5
F988F0032.2596	032 - 1 1/4"	13	2,6
F988F0040.2596	040 - 1 1/2"	13	17,0
F988F0050.2596	050 - 2"	6	12,1



Actuatable valve. Table in the ACTUATORS chapter

980FT-980FL DZR brass 3-way ON/OFF valve

PN16

EAC

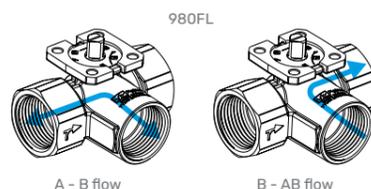
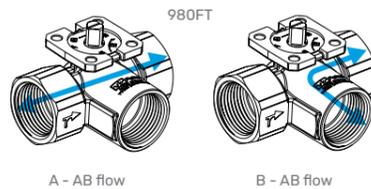


Threaded F/F/F (ISO 7/1 Rp)
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 980FT			
F980FT015.2390	015 - 1/2"	36	11,2
F980FT020.2390	020 - 3/4"	18	13,1
F980FT025.2390	025 - 1"	18	11,5
F980FT032.2390	032 - 1 1/4"	13	12,5
F980FT040.2390	040 - 1 1/2"	13	18,1
F980FT050.2390	050 - 2"	3	6,8
Fig. 980FL			
F980FL015.2390	015 - 1/2"	36	11,5
F980FL020.2390	020 - 3/4"	18	13,4
F980FL025.2390	025 - 1"	18	11,7
F980FL032.2390	032 - 1 1/4"	13	12,8
F980FL040.2390	040 - 1 1/2"	13	18,5
F980FL050.2390	050 - 2"	3	7,1

Actuatable valve. Table in the ACTUATORS chapter



988FT-988FL DZR brass 3-way ON/OFF valve

PN16

EAC

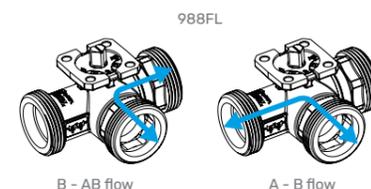
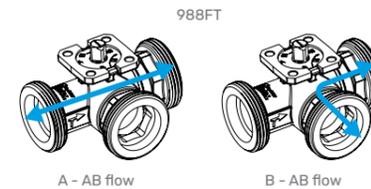


Threaded M/M/M (ISO 228/1 for union)
DZR brass body, flange, ball and stem
Chrome-plated ball, blow-out proof stem
PTFE Seats, EPDM Perox O-rings
Actuator connection according ISO 5211 F04- □9mm
Working conditions: Water, -10°C to +130°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 988FT			
F988FT015.2596	015 - 1/2"	18	7,8
F988FT020.2596	020 - 3/4"	13	8,7
F988FT025.2596	025 - 1"	13	9,8
F988FT032.2596	032 - 1 1/4"	6	7,5
F988FT040.2596	040 - 1 1/2"	6	11,4
F988FT050.2596	050 - 2"	3	8,6
Fig. 988FL			
F988FL015.2596	015 - 1/2"	18	8,0
F988FL020.2596	020 - 3/4"	13	9,1
F988FL025.2596	025 - 1"	13	10,0
F988FL032.2596	032 - 1 1/4"	6	7,6
F988FL040.2596	040 - 1 1/2"	6	11,7
F988FL050.2596	050 - 2"	3	8,9

Actuatable valve. Table in the ACTUATORS chapter



BALL VALVES FOR ACTUATORS

325

2-way brass valve with flange for actuator

PN16

EAC



Threaded M/F with union (ISO 228/1) up to DN32 included
Threaded F/F (ISO 228/1) for DN40 and DN50
Chrome-plated ball, blow-out proof stem
Ball and stem in brass, ISO 5211 F03-F05 adapter in aluminum
PTFE Seats, EPDM Perox O-rings
Working conditions: Water, -15°C to +110°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
M/F with union			
F325I0015.829	015 - 1/2"	18	6,9
F325I0020.829	020 - 3/4"	18	9,6
F325I0025.829	025 - 1"	8	6,4
F325I0032.829	032 - 1 1/4"	8	9,6
F/F			
F325I0015.3166	015 - 1/2"	20	6,0
F325I0020.3166	020 - 3/4"	20	8,0
F325I0025.3166	025 - 1"	8	4,6
F325I0032.3166	032 - 1 1/4"	8	7,9
F325I0040.828	040 - 1 1/2"	4	5,2
F325I0050.828	050 - 2"	4	8,4

▶ Actuable valve. Table in the **ACTUATORS** chapter

32TT-32TG

3-way brass valve with flange for actuator

PN16

EAC



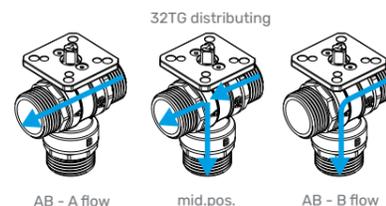
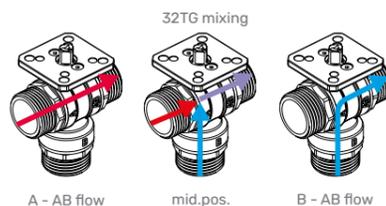
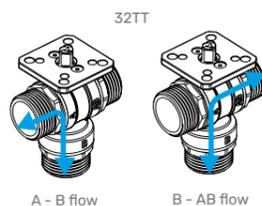
Threaded M/M/M (ISO 228/1) up to DN32 included
Threaded F/F/F (ISO 228/1) for DN40 and DN50
Chrome-plated ball, blow-out proof stem
Ball and stem in brass, ISO 5211 F03-F05 adapter in aluminum
PTFE Seats, EPDM Perox O-rings
Working conditions: Water, -15°C to +110°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 32TT			
F32TTI020.831	020 - 3/4"	8	4,6
F32TTI025.831	025 - 1"	8	6,9
F32TTI032.831	032 - 1 1/4"	8	10,5
F32TTI040.911	040 - 1 1/2"	4	7,3
F32TTI050.911	050 - 2"	4	12,4
Fig. 32TG			
F32TGI020.831	020 - 3/4"	8	4,4
F32TGI025.831	025 - 1"	8	6,6
F32TGI032.831	032 - 1 1/4"	8	9,9
F32TGI040.911	040 - 1 1/2"	4	7,0
F32TGI050.911	050 - 2"	4	11,6

▶ Unions and nuts in the **ACCESSORIES** section at the end of the chapter

▶ Actuable valve. Table in the **ACTUATORS** chapter



325-ENO

2-way brass valve with flange for oenology

PN16

EAC



Threaded ends M/M with unions (ISO 228/1) up to DN32 included
Threaded ends F/F (ISO 228/1) for DN40 and DN50
Chrome-plated ball, nickel-plated body, blow-out proof stem
Ball and stem in brass
ISO 5211 F03-F05 adapter in coated aluminum
PTFE Seats, PEROX EPDM O-ring
Working conditions: Water, -15°C to +110°C
Shell PN40, max differential pressure 3,5bar



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
M/M with union			
F325I0015.2565	015 - 1/2"	18	8,4
F325I0020.2565	020 - 3/4"	18	12,1
F325I0025.2565	025 - 1"	8	7,4
F325I0032.2565	032 - 1 1/4"	8	11,7
F/F			
F325I0040.2354	040 - 1 1/2"	4	5,2
F325I0050.2354	050 - 2"	4	8,4

▶ Actuable valve. Table in the **ACTUATORS** chapter

39BVF

Stainless steel ball valve with flange

PN64

EAC



Threaded F/F (ISO 7/1 Rp)
SS316 stainless steel body and ball, blow-out proof stem
PTFE seat rings and gaskets
Actuator connection according to ISO 5211
Working conditions: Water, -20°C to +180°C
PN64 for DN≤50 (max 64bar up to 85°C, max 20bar above)
PN50 for DN≥65 (max 50bar up to 85°C, max 10bar above)



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F39BVF008.1677	008 - 1/4"	1	0,3
F39BVF010.1677	010 - 3/8"	1	0,3
F39BVF015.1677	015 - 1/2"	1	0,4
F39BVF020.1677	020 - 3/4"	1	0,6
F39BVF025.1677	025 - 1"	1	0,9
F39BVF032.1677	032 - 1 1/4"	1	1,4
F39BVF040.1677	040 - 1 1/2"	1	2,2
F39BVF050.1677	050 - 2"	1	3,5
F39BVF065.1677	065 - 2 1/2"	1	6,9
F39BVF080.1677	080 - 3"	1	10,9
F39BVF100.1677	100 - 4"	1	23,0

▶ Actuable valve. Table in the **ACTUATORS** chapter



ACCESSORIES

32T

Nut and union kit



Nuts and unions for 32TT and 32TG series
Nut threaded F ISO 228/1 and union threaded M ISO 228/1
Brass nut and union
PTFE gasket

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Unions and nuts			
KBC91V015.3400*	020 - 3/4"	1	0,3
KBC34B020.2897	020 - 3/4"	1	0,3
KBC34B025.2897	025 - 1"	1	0,5
KBC34B032.2897	032 - 1 1/4"	1	0,7

* Unions M 1/2" ISO 7/1 Rp

SHUT-OFF INDEX

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350TAB · 33FF · 33MF · 330 · 333 · 380 · 380LN · 380ISolar · 360
365 · 5020DR · 5020 · 5020LN · 5021 · 5024 · 5028 · 390 · 39BVO
322 · 323-324 · 310N-310BF · 328 · 3WL

BUTTERFLY VALVES p.68

Summary table
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4620 · 4820L · 4020P

GATE VALVES p.78

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ACCESSORIES p.83

Lock One · Lock 99 · Extension · Levers · Gears · Limit switch

SPARE PARTS p.88

Levers



BALL VALVES

340

Full port brass ball valve

PN40



Threaded F/F (ISO 228/1)
 Chrome-plated ball and body, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 PN40 for DN≤50 (Max 40bar up to 95°C, max 25bar at 150°C)
 PN25 for DN≥65 (Max 25bar up to 95°C, max 16bar at 150°C)



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
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Black lever handle version

F3400V008.1596	008 - 1/4"	125	13,4
F3400V010.1596	010 - 3/8"	125	14,6
F3400V015.1596	015 - 1/2"	90	19,3
F3400V020.1596	020 - 3/4"	60	18,3
F3400V025.1596	025 - 1"	35	18,0
F3400V032.1596	032 - 1 1/4"	25	20,6
F3400V040.1596	040 - 1 1/2"	16	19,5
F3400V050.1596	050 - 2"	8	14,8
F3400V065.1596	065 - 2 1/2"	6	19,8
F3400V080.1596	080 - 3"	4	21,2
F3400V100.1596	100 - 4"	2	16,7

Red lever handle version

F3400V008.153	008 - 1/4"	125	13,4
F3400V010.153	010 - 3/8"	125	14,6
F3400V015.153	015 - 1/2"	90	19,3
F3400V020.153	020 - 3/4"	60	18,3
F3400V025.153	025 - 1"	35	18,0
F3400V032.153	032 - 1 1/4"	25	20,6
F3400V040.153	040 - 1 1/2"	16	19,5
F3400V050.153	050 - 2"	8	14,8
F3400V065.153	065 - 2 1/2"	6	19,8
F3400V080.153	080 - 3"	4	21,2
F3400V100.153	100 - 4"	2	16,7

Blue lever handle version

F3400V008.145	008 - 1/4"	125	13,4
F3400V010.145	010 - 3/8"	125	14,6
F3400V015.145	015 - 1/2"	90	19,3
F3400V020.145	020 - 3/4"	60	18,3
F3400V025.145	025 - 1"	35	18,0
F3400V032.145	032 - 1 1/4"	25	20,6
F3400V040.145	040 - 1 1/2"	16	19,5
F3400V050.145	050 - 2"	8	14,8
F3400V065.145	065 - 2 1/2"	6	19,8
F3400V080.145	080 - 3"	4	21,2
F3400V100.145	100 - 4"	2	16,7

NPT threaded version available

Black butterfly handle version

F3400V008.1665	008 - 1/4"	125	11,0
F3400V010.1665	010 - 3/8"	125	12,3
F3400V015.1665	015 - 1/2"	90	16,7
F3400V020.1665	020 - 3/4"	60	16,6
F3400V025.1665	025 - 1"	35	16,3
F3400V032.1665	032 - 1 1/4"	25	19,4
F3400V040.1665	040 - 1 1/2"	16	18,4
F3400V050.1665	050 - 2"	8	13,9

Red butterfly handle version

F3400V008.157	008 - 1/4"	125	11,0
F3400V010.157	010 - 3/8"	125	12,3
F3400V015.157	015 - 1/2"	90	16,7
F3400V020.157	020 - 3/4"	60	16,6
F3400V025.157	025 - 1"	35	16,3
F3400V032.157	032 - 1 1/4"	25	19,4
F3400V040.157	040 - 1 1/2"	16	18,4
F3400V050.157	050 - 2"	8	13,9



343

Brass ball valve full bore

PN40



Threaded M/F (ISO 228/1)
 Chrome-plated ball and body, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 Max 40bar up to 95°C, max 25bar at 150°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
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Black lever handle version

F3430V008.1597	008 - 1/4"	125	14,1
F3430V010.1597	010 - 3/8"	125	15,0
F3430V015.1597	015 - 1/2"	75	16,0
F3430V020.1597	020 - 3/4"	50	15,7
F3430V025.1597	025 - 1"	30	15,6
F3430V032.1597	032 - 1 1/4"	20	16,6
F3430V040.1597	040 - 1 1/2"	12	14,6
F3430V050.1597	050 - 2"	8	15,3

Red lever handle version

F3430V008.153	008 - 1/4"	125	14,1
F3430V010.153	010 - 3/8"	125	15,0
F3430V015.153	015 - 1/2"	75	16,0
F3430V020.153	020 - 3/4"	50	15,7
F3430V025.153	025 - 1"	30	15,6
F3430V032.153	032 - 1 1/4"	20	16,6
F3430V040.153	040 - 1 1/2"	12	14,6
F3430V050.153	050 - 2"	8	15,3

Black butterfly handle version

F3430V008.1665	008 - 1/4"	125	12,0
F3430V010.1665	010 - 3/8"	125	12,4
F3430V015.1665	015 - 1/2"	75	14,4
F3430V020.1665	020 - 3/4"	50	14,4
F3430V025.1665	025 - 1"	30	14,7
F3430V032.1665	032 - 1 1/4"	20	15,5
F3430V040.1665	040 - 1 1/2"	12	19,4
F3430V050.1665	050 - 2"	8	15,3

Red butterfly handle version

F3430V008.157	008 - 1/4"	125	12,0
F3430V010.157	010 - 3/8"	125	12,4
F3430V015.157	015 - 1/2"	75	14,4
F3430V020.157	020 - 3/4"	50	14,4
F3430V025.157	025 - 1"	30	14,7
F3430V032.157	032 - 1 1/4"	20	15,5
F3430V040.157	040 - 1 1/2"	12	19,4
F3430V050.157	050 - 2"	8	15,3



BALL VALVES

348

Brass ball valve full bore

PN40 CE ACS VAW EAC WRAS APPROVED PRODUCT



Threaded M/M (ISO 228/1)
 Chrome-plated ball and body, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 Max 40bar up to 95°C, max 25bar at 150°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Red lever handle version			
F3480V010.153	010 - 3/8"	125	15,1
F3480V015.153	015 - 1/2"	75	16,5
F3480V020.153	020 - 3/4"	50	16,3
F3480V025.153	025 - 1"	30	16,6
F3480V032.153	032 - 1 1/4"	20	17,2
F3480V040.153	040 - 1 1/2"	12	14,4
F3480V050.153	050 - 2"	8	15,4
Red butterfly handle version			
F3480V010.157	010 - 3/8"	125	12,6
F3480V015.157	015 - 1/2"	75	14,6
F3480V020.157	020 - 3/4"	50	14,9
F3480V025.157	025 - 1"	30	15,1
F3480V032.157	032 - 1 1/4"	20	15,6
F3480V040.157	040 - 1 1/2"	12	13,4
F3480V050.157	050 - 2"	8	15,8

342

Brass ball valve with plug and drain

PN40 CE ACS VAW EAC WRAS APPROVED PRODUCT



Threaded F/F (ISO 228/1)
 Chrome-plated ball and body, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 Max 40bar up to 95°C, max 25bar at 150°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Red lever handle version			
F3420A015.131	015 - 1/2"	80	23,4
F3420A020.131	020 - 3/4"	40	15,1
F3420A025.131	025 - 1"	40	23,6
F3420A032.131	032 - 1 1/4"	20	17,6
F3420A040.131	040 - 1 1/2"	16	20,7
F3420A050.131	050 - 2"	8	15,4
Black lever version available			
Red butterfly handle version			
F3420A015.133	015 - 1/2"	80	21,5
F3420A020.133	020 - 3/4"	40	14,3
F3420A025.133	025 - 1"	40	22,0
F3420A032.133	032 - 1 1/4"	20	16,0
F3420A040.133	040 - 1 1/2"	16	20,8
F3420A050.133	050 - 2"	8	15,0
Black butterfly handle version available			

340DR

Full port DZR brass ball valve

PN40 CE ACS VAW EAC SF



Threaded F/F (ISO 228/1)
 Chrome-plated ball, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 Max 40bar up to 95°C, max 25bar at 150°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F3400Y010.3029	010 - 3/8"	125	15,0
F3400Y015.3029	015 - 1/2"	90	19,8
F3400Y020.3029	020 - 3/4"	60	18,3
F3400Y025.3029	025 - 1"	35	18,2
F3400Y032.3029	032 - 1 1/4"	25	20,4
F3400Y040.3029	040 - 1 1/2"	16	19,4
F3400Y050.3029	050 - 2"	8	14,4



340J

Full port grooved brass ball valve

PN40 CE EAC



Grooved (ANSI/ AWWA C606/ Metric)
 Chrome-plated ball, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 PN40 for DN≤50 (Max 40bar up to 95°C, max 25bar at +150°C)
 PN25 for DN≤65 (Max 25bar up to 95°C, max 16bar at +150°C)



Vir Code	DN mm	Pcs./box	Box [Kg]
F3400J032.2816	42,2	16	14,9
F3400J040.2816	48,3	10	13,3
F3400J050.2816	60,4	5	10,0
F3400J065.2816	76,1*	6	20,6
F3400J080.2816	88,9	4	22,0

*Metric groove standard

340GS

Full port brass ball valve with sealable square top

PN25 EAC



Fig. 340GS

Fig. 343GS

Fig. 340GS threaded F/F (ISO 7/1 Rc)
 Fig. 343GS, threaded M/F (ISO 7/1 R / ISO 7/1 Rc)
 Chrome-plated ball, Blow-out proof stem
 PTFE Seats, FKM O-ring. With sealable square handle
 Working conditions: Water, 0°C to +110°C
 Max 25bar up to 95°C, max 20bar at 110°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 340GS			
F340GS015.2047	015 - 1/2"	80	15,7
F340GS020.2047	020 - 3/4"	60	16,4
F340GS025.2047	025 - 1"	40	16,8
F340GS032.2047	032 - 1 1/4"	25	14,8
F340GS040.2047	040 - 1 1/2"	16	16,1
F340GS050.2047	050 - 2"	8	11,7
Fig. 343GS			
F343GS015.2048	015 - 1/2"	80	15,8
F343GS020.2048	020 - 3/4"	60	16,9
F343GS025.2048	025 - 1"	40	17,6
F343GS032.2048	032 - 1 1/4"	25	15,5
F343GS040.2048	040 - 1 1/2"	16	16,2
F343GS050.2048	050 - 2"	8	12,6

BALL VALVES

340LN

Full port "long neck" brass ball valve

PN25



Threaded F/F (ISO 228/1)
 Chrome-plated ball and body
 PTFE seats, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 Max 25bar up to 110°C, max 16bar above
 Max 20bar up to 110°C, max 16bar above when used with air

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F34LOF010.145	010 - 3/8"	50	10,7
F34LOF015.145	015 - 1/2"	50	14,5
F34LOF020.145	020 - 3/4"	40	15,2
F34LOF025.145	025 - 1"	25	15,5
F34LOF032.145	032 - 1 1/4"	15	13,8
F34LOF040.145	040 - 1 1/2"	8	10,8
F34LOF050.145	050 - 2"	6	11,6

33FF

Full port brass ball valve

PN32



Threaded F/F (ISO 228/1)
 Chrome-plated ball, nickel plated body, blow-out proof stem
 Threads and internal parts not plated
 PTFE seats, FKM+NBR stem O-ring. Reversible handle
 Working conditions: Water, 0°C to +130°C; Air, -10°C to +130°C
 PN20 when used with air

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Lever handle version			
F33FF0015.2572	015 - 1/2"	100	16,5
F33FF0020.2572	020 - 3/4"	70	16,8
F33FF0025.2572	025 - 1"	40	16,0
F33FF0032.2572	032 - 1 1/4"	25	14,1
F33FF0040.2572	040 - 1 1/2"	20	16,7
F33FF0050.2572	050 - 2"	10	13,3
Butterfly handle version			
F33FFF015.2578	015 - 1/2"	100	15,4
F33FFF020.2578	020 - 3/4"	70	17,2
F33FFF025.2578	025 - 1"	40	15,2
F33FFF032.2578	032 - 1 1/4"	25	13,7

350TAB

Full port DZR lead free brass ball valve

600WOG



Threaded F/F (NPT)
 Chrome-plated ball, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 Valve for American market

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F340ET008.1657	008 - 1/4"	80	12,2
F340ET010.1657	010 - 3/8"	80	11,2
F340ET015.1657	015 - 1/2"	80	20,6
F340ET020.1657	020 - 3/4"	60	22,9
F340ET025.1657	025 - 1"	35	21,7
F340ET032.1657	032 - 1 1/4"	20	19,6
F340ET040.1657	040 - 1 1/2"	15	21,3
F340ET050.1657	050 - 2"	10	22,2
F340ET065.1657	065 - 2 1/2"	6	26,9
F340ET080.1657	080 - 3"	4	26,4
F340ET100.1657	100 - 4"	2	18,8

33MF

Full port brass ball valve

PN32



Threaded M/F (ISO 228/1)
 Chrome-plated ball, nickel plated body, blow-out proof stem
 Threads and internal parts not plated
 PTFE seats, FKM+NBR stem O-ring. Reversible handle
 Working conditions: Water, 0°C to +130°C; Air, -10°C to +130°C
 PN20 when used with air.

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Lever handle version			
F33MF0015.2574	015 - 1/2"	75	12,8
F33MF0020.2574	020 - 3/4"	50	13,0
F33MF0025.2574	025 - 1"	30	12,8
F33MF0032.2574	032 - 1 1/4"	20	12,0
F33MF0040.2574	040 - 1 1/2"	12	10,1
F33MF0050.2574	050 - 2"	8	11,0
Butterfly handle version			
F33MFF015.2580	015 - 1/2"	75	12,8
F33MFF020.2580	020 - 3/4"	50	13,0
F33MFF025.2580	025 - 1"	30	12,8

BALL VALVES

330

Full port brass ball valve

PN25



Threaded F/F (ISO 228/1)
 Chrome-plated ball, nickel-plated body, blow-out proof stem
 Threads and internal parts not plated
 PTFE seats, NBR stem O-ring + PTFE packing
 Working conditions: Water, 0°C to +95°C; Air, -10°C to +110°C
 PN16 (or PN10 for DN≥65) when used with air

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Lever handle version			
F330K0008.1670	008 - 1/4"	36	4,3
F330K0010.1670	010 - 3/8"	36	4,3
F330K0015.1670	015 - 1/2"	24	4,3
F330K0020.1670	020 - 3/4"	16	3,8
F330K0025.1670	025 - 1"	10	4,2
F330K0032.1670	032 - 1 1/4"	36	21,2
F330K0040.1670	040 - 1 1/2"	24	20,4
F330K0050.1670	050 - 2"	12	16,0
F330K0065.1670	065 - 2 1/2"	6	17,8
F330K0080.1670	080 - 3"	4	15,0
F330K0100.1670	100 - 4"	2	11,7
Butterfly handle version			
F330K0008.1672	008 - 1/4"	36	3,6
F330K0010.1672	010 - 3/8"	36	3,6
F330K0015.1672	015 - 1/2"	24	3,4
F330K0020.1672	020 - 3/4"	16	3,4
F330K0025.1672	025 - 1"	10	3,6
F330K0032.1672	032 - 1 1/4"	10	4,2

ACS Version for DN10 - DN50

380

Full port bronze ball valve

PN40



Threaded F/F (ISO 228/1)
 Chrome-plated ball, blow-out proof stem
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water and Air, -10°C to +185°C;
 PN40 for DN≤50 (Max 40bar up to 95°C, max 10bar at 185°C)
 PN25 for DN≥65 (Max 25bar up to 95°C, max 10bar at 185°C)

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Lever handle version			
F3800B008.916	008 - 1/4"	100	14,2
F3800B010.916	010 - 3/8"	100	13,9
F3800B015.916	015 - 1/2"	50	13,0
F3800B020.916	020 - 3/4"	50	18,2
F3800B025.916	025 - 1"	25	15,8
F3800B032.916	032 - 1 1/4"	20	19,4
F3800B040.916	040 - 1 1/2"	12	17,3
F3800B050.916	050 - 2"	8	17,3
F3800B065.916	065 - 2 1/2"	6	28,0
F3800B080.916	080 - 3"	2	13,2

Available GDV version C
 Version with lockable handle available up to DN50 (.3201)
 Red butterfly handle version (F3800B size 1391) available on request
 NPT threaded version with red lever (F3800B size 915) available on request

333

Full port brass ball valve

PN25



Threaded M/F (ISO 228/1).
 Chrome-plated ball, nickel-plated body, blow-out proof stem.
 Threads and internal parts not plated
 PTFE seats, NBR stem O-ring + PTFE packing
 Working conditions: Water, 0°C to +95°C; Air, -10°C to +110°C
 PN16 when used with air

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Lever handle version			
F333K0008.1673	008 - 1/4"	36	4,5
F333K0010.1673	010 - 3/8"	36	4,6
F333K0015.1673	015 - 1/2"	24	4,7
F333K0020.1673	020 - 3/4"	16	4,2
F333K0025.1673	025 - 1"	10	4,5
F333K0032.1673	032 - 1 1/4"	36	22,9
F333K0040.1673	040 - 1 1/2"	24	21,6
F333K0050.1673	050 - 2"	12	17,4
Butterfly handle version			
F333K0008.1687	008 - 1/4"	36	4,5
F333K0010.1687	010 - 3/8"	36	4,6
F333K0015.1687	015 - 1/2"	24	4,7
F333K0020.1687	020 - 3/4"	16	4,2
F333K0025.1687	025 - 1"	10	4,5
F333K0032.1687	032 - 1 1/4"	10	6,4

ACS Version for DN10 - DN50

380LN

Full port long neck bronze ball valve

PN25



Threaded F/F (ISO 228/1)
 Chrome-plated ball
 PTFE seats and packing, adjustable brass packing nut
 Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
 Max 25bar up to 110°C, max 16bar above
 PN16 when used with air

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Versione a leva			
F38LN0015.2859	015 - 1/2"	50	17,3
F38LN0020.2859	020 - 3/4"	40	18,2
F38LN0025.2859	025 - 1"	25	17,9
F38LN0032.2859	032 - 1 1/4"	15	16,0
F38LN0040.2859	040 - 1 1/2"	10	17,0
F38LN0050.2859	050 - 2"	6	15,0

Available GDV and SINTEF version C
 Red butterfly handle version (F3800Bmis.1391) available on request

BALL VALVES

380I Solar Bronze ball valve for high temperatures

PN40



Threaded F/F (ISO 228/1)
Stainless steel ball and stem, blow-out proof stem
PTFE + graphite seats and grafoil packing
Adjustable brass packing nut
Working conditions: Water, -30°C to +200°C
Max 40bar up to 100°C, max 10bar at 200°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F380HI015.2141	015 - 1/2"	50	12,5
F380HI020.2141	020 - 3/4"	50	17,9
F380HI025.2141	025 - 1"	25	14,6
F380HI032.2141	032 - 1 1/4"	20	18,5
F380HI040.2141	040 - 1 1/2"	12	19,2
F380HI050.2141	050 - 2"	8	20,2

360 Full port DZR brass ball valve

PN25



Threaded F/F (ISO 228/1)
Chrome-plated ball, blow-out proof stem
PTFE seats and packing, adjustable brass packing nut
Working conditions: Water, 0°C to +150°C; Air, -10°C to +150°C
Max 25bar up to 95°C, max 16bar at 150°C
PN16 when used with air



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F3600Y008.213	008 - 1/4"	100	15,7
F3600Y010.213	010 - 3/8"	100	14,0
F3600Y015.213	015 - 1/2"	50	12,4
F3600Y020.213	020 - 3/4"	40	14,6
F3600Y025.213	025 - 1"	25	15,8
F3600Y032.213	032 - 1 1/4"	16	14,5
F3600Y040.213	040 - 1 1/2"	10	15,1
F3600Y050.213	050 - 2"	8	19,9

365 Full port DZR brass ball valve

PN25



Olive and nut (O/N) for European copper tubing (EN1057)
Chrome-plated ball, blow-out proof stem
PTFE seats and packing, adjustable brass packing nut
Working conditions: water from 0°C to +150°C. Air from -10°C to +150°C
PN16 when used with air



Vir Code	DN mm	Pcs./box	Box [Kg]
F3650Y012.1649	012	100	16,8
F3650Y015.1649	015	50	14,3
F3650Y018.1649	018	40	11,9
F3650Y022.1649	022	40	17,0
F3650Y028.1649	028	25	17,7
F3650Y035.1649	035	10	10,9

5020DR Full port DZR brass EzPress ball valve

PN16



EzPress/EzPress ends (European copper/steel tubing)
DZR brass body, chrome-plated brass ball
PTFE seats and packing, adjustable brass packing nut
Blow-out proof brass stem
Working conditions: Water, 0°C to +120°C; Air, -10°C to +120°C
Max 16bar up to 85°C, max 10bar at 120°C



Vir Code	DN mm	Pcs./box	Box [Kg]
F68G00015.3121	015	50	12,4
F68G00022.3121	022	40	13,9
F68G00028.3121	028	30	17,7
F68G00035.3121	035	20	17,7
F68G00042.3121	042	10	15,7
F68G00054.3121	054	6	15,0

5020 Full port bronze EzPress ball valve

PN16



Fig. 5020

Fig. 5020M

EzPress/EzPress ends (European copper/steel tubing)
Bronze body, chrome-plated brass ball
PTFE seats and packing, adjustable brass packing nut
Blow-out proof brass stem
Working conditions: Water, 0°C to +120°C; Air, -10°C to +120°C
Max 16bar up to 85°C, max 10bar at 120°C



Vir Code	DN mm	Pcs./box	Box [Kg]
V Profile			
F68P00012.1472	012	80	11,7
F68P00015.1472	015	50	12,0
F68P00018.1472	018	50	13,6
F68P00022.1472	022	40	14,6
F68P00028.1472	028	30	17,7
F68P00035.1472	035	20	17,9
F68P00042.1472	042	10	13,9
F68P00054.1472	054	6	12,5
M Profile			
F68M00042.3116	042	10	15,4
F68M00054.3116	054	6	16,9

5020LN Full port bronze EzPress ball valve

PN16



Fig. 5020LN

Fig. 5020MLN

EzPress/EzPress ends (European copper/steel tubing)
Bronze body, chrome-plated brass ball
PTFE seats and packing, adjustable brass packing nut
Brass stem and packing nut extension
Working conditions: Water, 0°C to +120°C; Air, -10°C to +120°C
Max 16bar up to 85°C, max 10bar at 120°C



Vir Code	DN mm	Pcs./box	Box [Kg]
V Profile			
F68LN0012.1638	012	50	13,9
F68LN0015.1638	015	30	10,3
F68LN0018.1638	018	30	10,8
F68LN0022.1638	022	30	14,2
F68LN0028.1638	028	25	18,4
F68LN0035.1638	035	20	21,1
F68LN0042.1638	042	10	18,7
F68LN0054.1638	054	8	22,7
M Profile			
F68MLN042.3127	042	10	18,3
F68MLN054.3127	054	8	22,5

Available GDV version

BALL VALVES

5021

Full port bronze EzPress ball valve

PN16



EzPress/M ends (European copper/steel tubing - ISO228/1)
Bronze body, chrome-plated brass ball
PTFE seats and packing, adjustable brass packing nut
Blow-out proof brass stem
Working conditions: Water, 0°C to +120°C; Air, -10°C to +120°C
Max 16bar up to 85°C, max 10bar at 120°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F688P0015.1472	015-1/2"	50	12,5
F688P0018.1472	018-1/2"	50	13,0
F688P0022.1472	022-3/4"	40	14,8
F688P0028.1472	028-1"	30	17,4
F688P0035.1472	035-1 1/4"	20	18,0
F688P0042.1472	042-1 1/2"	10	15,7
F688P0054.1472	054-2"	6	14,9

Available GDV version

5024

Full port bronze EzPress ball valve

PN16



EzPress/F ends (European copper/steel tubing - ISO228/1)
Bronze body, chrome-plated brass ball
PTFE seats and packing, adjustable brass packing nut
Blow-out proof brass stem
Working conditions: Water, 0°C to +120°C; Air, -10°C to +120°C
Max 16bar up to 85°C, max 10bar at 120°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F683P0015.2030	015-1/2"	50	12,3
F683P0018.2030	018-1/2"	50	13,3
F683P0022.2030	022-3/4"	40	14,4
F683P0028.2030	028-1"	30	17,8
F683P0035.2030	035-1 1/4"	20	18,5
F683P0042.2030	042-1 1/2"	10	15,9
F683P0054.2030	054-2"	6	14,9

Available GDV version

5028

Full port bronze EzPress ball valve

PN16



EzPress/F ends (European copper/steel tubing - ISO228/1)
Female threaded end with tail piece
Bronze body, chrome-plated brass ball
PTFE seats and packing, adjustable brass packing nut
Blow-out proof brass stem
Working conditions: Water, 0°C to +120°C; Air, -10°C to +120°C
Max 16bar up to 85°C, max 10bar at 120°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F687P0015.3436	015-3/4"	50	16,1
F687P0018.3436	018-3/4"	50	16,6
F687P0022.3436	022-3/4"	50	21,4

Available GDV version

390

Ductile iron ball valve full bore

PN16



Flanged PN16 (EN1092-2)
Lengths according EN558-1 series 14 (ex DIN3202 F4)
(EN558-1 series 15, ex DIN3202 F5, for DN200)
Handle in steel, chrome-plated brass ball
Certified version for GAS also available
Working conditions: Water: 0°C to +90°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F3900I025.868	025 - 1"	1	3,2
F3900I032.868	032 - 1 1/4"	1	4,4
F3900I040.868	040 - 1 1/2"	1	5,5
F3900I050.868	050 - 2"	1	8,5
F3900I065.868	065 - 2 1/2"	1	11,5
F3900I080.868	080 - 3"	1	15,5
F3900I100.868	100 - 4"	1	20,0
F3900I125.868	125 - 5"	1	30,0
F3900I150.868	150 - 6"	1	36,0
F3900I200.868	200 - 8"	1	93,0

39BVO

Stainless steel ball valve

PN64



Threaded F/F (ISO 7/1 Rp)
SS316 stainless steel ball and stem, blow-out proof stem
PTFE seats and packing
Stainless steel handle
Working conditions: Water, -20°C to +180°C
PN64 for DN≤50 (max 64bar up to 85°C, max 20bar above)
PN50 for DN≥65 (max 50bar up to 85°C, max 10bar above)

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F39BV0008.1237	008 - 1/4"	1	0,3
F39BV0010.1237	010 - 3/8"	1	0,3
F39BV0015.1237	015 - 1/2"	1	0,4
F39BV0020.1237	020 - 3/4"	1	0,5
F39BV0025.1237	025 - 1"	1	0,9
F39BV0032.1237	032 - 1 1/4"	1	1,6
F39BV0040.1237	040 - 1 1/2"	1	2,3
F39BV0050.1237	050 - 2"	1	3,6
F39BV0065.1237	065 - 2 1/2"	1	7,2
F39BV0080.1237	080 - 3"	1	10,8
F39BV0100.1237	100 - 4"	1	25,2

BALL VALVES

322

Boiler drain ball valve

PN25

EAC



Threaded M (ISO 7/1 R) + hose union
ChromE-plated ball, blow-out proof stem
PTFE seats, NBR stem O-ring + PTFE packing
Working conditions: Water, -10°C to +100C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F242X0015.2877	015 - 1/2"	100	16,5
F242X0020.2877	020 - 3/4"	65	16,6

328

Ball valve with union

PN20

CE EAC



Threaded F/M with union (ISO 228/1)
Chrome-plated ball, nickel-plated body, blow-out proof stem
PTFE seats and packing, NBR union O-ring
Aluminum handle
Working conditions: Water, 0°C to +80°C
PN16 when used with air or for DN≥25

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F3280A015.133	015 - 1/2"	20	4,0
F3280A020.133	020 - 3/4"	10	3,4
F3280A025.133	025 - 1"	10	5,3
F3280A032.133	032 - 1 1/4"	6	4,8

323, 324

Brass mini ball valve

PN10

EAC



Fig.323 thrd M/F (ISO 228/1), Fig.323 thrd F/F (ISO 228/1)
Chrome-plated ball, blow-out proof stem
PTFE Seats, NBR O-ring
Aluminum handle
Working conditions: Water, 5°C to +90°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 323			
F3230A008.917	008 - 1/4"	50	4,5
F3230A010.917	010 - 3/8"	50	4,3
F3230A015.917	015 - 1/2"	50	5,0
F3230A020.917	020 - 3/4"	25	3,8
Fig. 324			
F3240A008.917	008 - 1/4"	50	4,5
F3240A010.917	010 - 3/8"	50	4,3
F3240A015.917	015 - 1/2"	50	5,0
F3240A020.917	020 - 3/4"	25	3,8

3WL

Brass 3-way ball valve with "L" ball

PN25

EAC



Threaded F/F/F (ISO 228/1)
Reduced bore valve
Chrome-plated ball, two PTFE seats sealing, FKM+NBR O-rings
2 threaded bosses for mounting of accessories
Working conditions: Water: 0°C to +150°C; Air: -10°C to +150°C
DN≤50, max 25bar up to 95°C, max 16bar with air or above 95°C
DN≥65, max 25bar up to 95°C, max 10bar with air or above 95°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F3TL00010.847	010 - 3/8"	50	8,4
F3TL00015.847	015 - 1/2"	50	10,7
F3TL00020.847	020 - 3/4"	25	9,8
F3TL00025.847	025 - 1"	25	15,0
F3TL00032.847	032 - 1 1/4"	15	13,6
F3TL00040.847	040 - 1 1/2"	10	13,3
F3TL00050.847	050 - 2"	6	13,3
F3TL00065.847	065 - 2 1/2"	3	11,3
F3TL00080.847	080 - 3"	2	11,8

310N, 310BF

Brass ball bib cock

PN16

ACS EAC



Fig. 310N

Threaded M (ISO 228/1) + hose union
Ring and hose union in brass
Chrome-plated ball, nickel-plated body, blow-out proof stem
PTFE seats, NBR stem O-ring
Also available with POM check valve embedded on thread
Working conditions: Water, 0°C to +95°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 310N			
F310K0015.1779	015 - 1/2"	14	2,5
F310K0020.1779	020 - 3/4"	8	2,4
F310K0025.1779	025 - 1"	5	2,3
Fig. 310BF			
F310K0015.1917	015 - 1/2"	14	2,5
F310K0020.1917	020 - 3/4"	8	2,4
F310K0025.1917	025 - 1"	5	2,3
Fig. 310N - Butterfly handle version			
F310K0015.1922	015 - 1/2"	14	2,5
F310K0020.1922	020 - 3/4"	8	2,4
F310K0025.1922	025 - 1"	5	2,3



Fig. 310BF

SUMMARY TABLE – BUTTERFLY VALVES

TYPE	CODE	PN	BODY					SEAT		HANDLE		CERTIFICATION	
			DUCTILE IRON GGG40	DUCTILE IRON GGG40 nickel painted	DUCTILE IRON GGG40 epoxy painted	DUCTILE IRON GGG50 EPDM coated	INOX SS316	EPDM	NBR	Lever "L"	Gear box "G"	WRAS	DVGW
 WAFFER	4020	16	•	•			•		DN 32-300	DN 40-600			
	4025	16	•				•	•	DN 32-300	DN 40-600	•		
	4029	16	•				•	•	DN 32-300	DN 40-600			
	4520	25	•	•			•	•	DN 50-150	DN 65-600			
	402W	16	•		•		•	•	DN 32-300	DN 40-300	•		
 LUG	4320	16	•	•			•		DN 32-300	DN 40-600			
	4325	16	•				•	•	DN 32-300	DN 40-600	•		
	4329	16	•				•	•	DN 32-300	DN 40-600			
	4620	25	•	•			•	•	DN 50-150	DN 65-600			
	432W	16	•		•		•	•	DN 32-300	DN 40-300	•		
 GROOVED	4820L	25	DUCTILE IRON GGG50				•						
 LUG GAS	4321	16	•		•		•				•		

BUTTERFLY VALVES - WAFER

4020L, 4020G Ductile iron wafer butterfly valve

PN16

CE EAC



Body in epoxy coated ductile iron GGG40
 Disc in nickel pl. duct. iron GGG40, stem in SS416 stainless steel
 EPDM seat, EPDM O-rings, PTFE bushings
 With lockable lever (Fig. 4020L) or gear (4020G)
 Max differential pressure 10bar for DN≥350
 Working conditions: Water, -10°C a +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4020L - Aluminium lever			
F4020L032.2301	032 - 1 1/4"	1	2,3
F4020L040.2301	040 - 1 1/2"	1	2,6
F4020L050.2301	050 - 2"	1	3,3
F4020L065.2301	065 - 2 1/2"	1	4,0
F4020L080.2301	080 - 3"	1	4,5
F4020L100.2301	100 - 4"	1	6,1
F4020L125.2301	125 - 5"	1	7,4
F4020L150.2301	150 - 6"	1	8,8
F4020L200.2301	200 - 8"	1	13,3
F4020L250.2301	250 - 10"	1	19,8
F4020L300.2301	300 - 12"	1	31,6

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4020L - Cast iron lever			
F4020L032.927	032 - 1 1/4"	1	2,6
F4020L040.927	040 - 1 1/2"	1	2,8
F4020L050.927	050 - 2"	1	3,7
F4020L065.927	065 - 2 1/2"	1	4,7
F4020L080.927	080 - 3"	1	4,5
F4020L100.927	100 - 4"	1	6,3
F4020L125.927	125 - 5"	1	7,7
F4020L150.927	150 - 6"	1	9,1
F4020L200.927	200 - 8"	1	13,6
F4020L250.927	250 - 10"	1	21,7
F4020L300.927	300 - 12"	1	32,0

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4020G - Gear box			
F4020G040.928	040 - 1 1/2"	1	7,6
F4020G050.928	050 - 2"	1	8,1
F4020G065.928	065 - 2 1/2"	1	8,9
F4020G080.928	080 - 3"	1	9,2
F4020G100.928	100 - 4"	1	11,0
F4020G125.928	125 - 5"	1	13,0
F4020G150.928	150 - 6"	1	12,0
F4020G200.928	200 - 8"	1	21,9
F4020G250.928	250 - 10"	1	27,4
F4020G300.928	300 - 12"	1	39,5
F4020G350.928	350 - 14"	1	49,0
F4020G400.928	400 - 16"	1	85,0
F4020G450.928	450 - 18"	1	117,7
F4020G500.928	500 - 20"	1	160,1
F4020G600.928	600 - 24"	1	257,5

▶ Actuatable valve. Table in the ACTUATORS chapter

BUTTERFLY VALVES - WAFER

4025L, 4025G Ductile iron wafer butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in SS316 stainless steel, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
With lockable lever (Fig. 4025L) or gear (4025G)
Max differential pressure 10bar for DN≥350
Working conditions: Water, -10°C a +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4025L - Aluminium lever			
F4025L032.2302	032 - 1 1/4"	1	2,3
F4025L040.2302	040 - 1 1/2"	1	2,6
F4025L050.2302	050 - 2"	1	3,3
F4025L065.2302	065 - 2 1/2"	1	4,0
F4025L080.2302	080 - 3"	1	4,5
F4025L100.2302	100 - 4"	1	6,1
F4025L125.2302	125 - 5"	1	7,4
F4025L150.2302	150 - 6"	1	8,8
F4025L200.2302	200 - 8"	1	13,3
F4025L250.2302	250 - 10"	1	19,8
F4025L300.2302	300 - 12"	1	31,6

Fig. 4025L - Cast iron lever			
F4025L032.929	032 - 1 1/4"	1	2,6
F4025L040.929	040 - 1 1/2"	1	2,8
F4025L050.929	050 - 2"	1	3,7
F4025L065.929	065 - 2 1/2"	1	4,7
F4025L080.929	080 - 3"	1	4,5
F4025L100.929	100 - 4"	1	6,3
F4025L125.929	125 - 5"	1	7,7
F4025L150.929	150 - 6"	1	9,1
F4025L200.929	200 - 8"	1	13,6
F4025L250.929	250 - 10"	1	21,7
F4025L300.929	300 - 12"	1	32,0

Fig. 4025G - Gear box			
F4025G040.1009	040 - 1 1/2"	1	7,6
F4025G050.1009	050 - 2"	1	6,7
F4025G065.1009	065 - 2 1/2"	1	7,6
F4025G080.1009	080 - 3"	1	8,3
F4025G100.1009	100 - 4"	1	9,2
F4025G125.1009	125 - 5"	1	10,9
F4025G150.1009	150 - 6"	1	12,0
F4025G200.1009	200 - 8"	1	21,9
F4025G250.1009	250 - 10"	1	28,0
F4025G300.1009	300 - 12"	1	46,5
F4025G350.1009	350 - 14"	1	49,5
F4025G400.1009	400 - 16"	1	92,2
F4025G450.1009	450 - 18"	1	119,0
F4025G500.1009	500 - 20"	1	162,0
F4025G600.1009	600 - 24"	1	259,0

Actuatable valve. Table in the ACTUATORS chapter

4029L, 4029G Ductile iron wafer butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in SS316 stainless steel, stem in SS416 stainless steel
NBR seat, FKM O-rings, PTFE bushings
With lockable lever (Fig. 4029L) or gear (4029G)
Max differential pressure 10bar for DN≥350
Working conditions: Water, -10°C a +90°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4029L - Aluminium lever			
F4029L032.2302	032 - 1 1/4"	1	2,3
F4029L040.2302	040 - 1 1/2"	1	3,0
F4029L050.2302	050 - 2"	1	3,3
F4029L065.2302	065 - 2 1/2"	1	4,0
F4029L080.2302	080 - 3"	1	4,5
F4029L100.2302	100 - 4"	1	6,1
F4029L125.2302	125 - 5"	1	7,4
F4029L150.2302	150 - 6"	1	8,8
F4029L200.2302	200 - 8"	1	13,3
F4029L250.2302	250 - 10"	1	19,8
F4029L300.2302	300 - 12"	1	31,6

Fig. 4029G - Gear box			
F4029G040.1009	040 - 1 1/2"	1	7,6
F4029G050.1009	050 - 2"	1	8,1
F4029G065.1009	065 - 2 1/2"	1	8,9
F4029G080.1009	080 - 3"	1	9,2
F4029G100.1009	100 - 4"	1	11,0
F4029G125.1009	125 - 5"	1	13,0
F4029G150.1009	150 - 6"	1	13,4
F4029G200.1009	200 - 8"	1	25,7
F4029G250.1009	250 - 10"	1	32,2
F4029G300.1009	300 - 12"	1	46,5
F4029G350.1009	350 - 14"	1	60,0
F4029G400.1009	400 - 16"	1	103,0
F4029G450.1009	450 - 18"	1	119,0
F4029G500.1009	500 - 20"	1	162,0
F4029G600.1009	600 - 24"	1	259,0

Actuatable valve. Table in the ACTUATORS chapter

BUTTERFLY VALVES - LUG

4320L, 4320G Ductile iron lug butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in nickel pl. duct. iron GGG40, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
With lockable lever (Fig. 4320L) or gear (4320G)
Max differential pressure 10bar for DN≥350
Working conditions: Water, -10°C a +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4320L - Aluminium lever			
F4320L032.2301	032 - 1 1/4"	1	3,0
F4320L040.2301	040 - 1 1/2"	1	3,3
F4320L050.2301	050 - 2"	1	4,7
F4320L065.2301	065 - 2 1/2"	1	5,0
F4320L080.2301	080 - 3"	1	5,4
F4320L100.2301	100 - 4"	1	8,8
F4320L125.2301	125 - 5"	1	12,4
F4320L150.2301	150 - 6"	1	13,2
F4320L200.2301	200 - 8"	1	18,1
F4320L250.2301	250 - 10"	1	28,3
F4320L300.2301	300 - 12"	1	43,8

Fig. 4320L - Cast iron lever			
F4320L032.927	032 - 1 1/4"	1	3,4
F4320L040.927	040 - 1 1/2"	1	3,4
F4320L050.927	050 - 2"	1	4,2
F4320L065.927	065 - 2 1/2"	1	5,0
F4320L080.927	080 - 3"	1	5,8
F4320L100.927	100 - 4"	1	7,5
F4320L125.927	125 - 5"	1	10,3
F4320L150.927	150 - 6"	1	11,5
F4320L200.927	200 - 8"	1	19,2
F4320L250.927	250 - 10"	1	27,1
F4320L300.927	300 - 12"	1	50,2

Fig. 4320G - Gear box			
F4320G040.928	040 - 1 1/2"	1	6,3
F4320G050.928	050 - 2"	1	7,1
F4320G065.928	065 - 2 1/2"	1	7,9
F4320G080.928	080 - 3"	1	8,6
F4320G100.928	100 - 4"	1	10,4
F4320G125.928	125 - 5"	1	13,2
F4320G150.928	150 - 6"	1	14,4
F4320G200.928	200 - 8"	1	26,3
F4320G250.928	250 - 10"	1	32,8
F4320G300.928	300 - 12"	1	59,9
F4320G350.928	350 - 14"	1	77,4
F4320G400.928	400 - 16"	1	121,8
F4320G450.928	450 - 18"	1	158,7
F4320G500.928	500 - 20"	1	226,6
F4320G600.928	600 - 24"	1	315,5

Fig. 4320L - Cast iron lever - PN10			
F4320L200.2987	200 - 8"	1	19,2
F4320L250.2987	250 - 10"	1	27,1
F4320L300.2987	300 - 12"	1	50,2

Fig. 4320G - Gear box - PN10			
F4320G200.2988	200 - 8"	1	26,3
F4320G250.2988	250 - 10"	1	32,8
F4320G300.2988	300 - 12"	1	59,9

Actuable valve. Table in the ACTUATORS chapter



4325L, 4325G Ductile iron lug butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in SS316 stainless steel, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
With lockable lever (Fig. 4325L) or gear (4325G)
Max differential pressure 10bar for DN≥350
Working conditions: Water, -10°C a +110°C
Can be equipped with actuator (see pages 61-62)

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4325L - Aluminium lever			
F4325L032.2302	032 - 1 1/4"	1	3,0
F4325L040.2302	040 - 1 1/2"	1	3,3
F4325L050.2302	050 - 2"	1	4,7
F4325L065.2302	065 - 2 1/2"	1	5,0
F4325L080.2302	080 - 3"	1	5,4
F4325L100.2302	100 - 4"	1	8,8
F4325L125.2302	125 - 5"	1	12,4
F4325L150.2302	150 - 6"	1	13,2
F4325L200.2302	200 - 8"	1	18,1
F4325L250.2302	250 - 10"	1	28,3
F4325L300.2302	300 - 12"	1	43,8

Fig. 4325L - Cast iron lever			
F4325L032.929	032 - 1 1/4"	1	3,4
F4325L040.929	040 - 1 1/2"	1	3,4
F4325L050.929	050 - 2"	1	4,2
F4325L065.929	065 - 2 1/2"	1	5,0
F4325L080.929	080 - 3"	1	5,8
F4325L100.929	100 - 4"	1	7,5
F4325L125.929	125 - 5"	1	10,3
F4325L150.929	150 - 6"	1	11,5
F4325L200.929	200 - 8"	1	19,2
F4325L250.929	250 - 10"	1	27,1
F4325L300.929	300 - 12"	1	50,2

Fig. 4325G - Gear box			
F4325G040.1009	040 - 1 1/2"	1	8,9
F4325G050.1009	050 - 2"	1	9,5
F4325G065.1009	065 - 2 1/2"	1	7,9
F4325G080.1009	080 - 3"	1	8,6
F4325G100.1009	100 - 4"	1	10,4
F4325G125.1009	125 - 5"	1	13,2
F4325G150.1009	150 - 6"	1	14,4
F4325G200.1009	200 - 8"	1	26,3
F4325G250.1009	250 - 10"	1	32,8
F4325G300.1009	300 - 12"	1	59,9
F4325G350.1009	350 - 14"	1	77,4
F4325G400.1009	400 - 16"	1	121,8
F4325G450.1009	450 - 18"	1	143,0
F4325G500.1009	500 - 20"	1	252,0
F4325G600.1009	600 - 24"	1	315,5

Fig. 4325L - PN10			
F4325L200.2989	200 - 8"		
F4325L250.2989	250 - 10"		
F4325L300.2989	300 - 12"		

Fig. 4325G - Gear box - PN10			
F4325G200.2990	200 - 8"		
F4325G250.2990	250 - 10"		
F4325G300.2990	300 - 12"		

Actuable valve. Table in the ACTUATORS chapter



BUTTERFLY VALVES - LUG

4329L, 4329G Ductile iron lug butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in SS316 stainless steel, stem in SS416 stainless steel
NBR seat, FKM O-rings, PTFE bushings
With lockable lever (Fig. 4329L) or gear (4329G)
Max differential pressure 10bar for DN≥350
Working conditions: Water, -10°C a +90°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4329L - Aluminium lever			
F4329L032.2302	032 - 1 1/4"	1	4,4
F4329L040.2302	040 - 1 1/2"	1	4,6
F4329L050.2302	050 - 2"	1	5,1
F4329L065.2302	065 - 2 1/2"	1	5,0
F4329L080.2302	080 - 3"	1	5,8
F4329L100.2302	100 - 4"	1	9,2
F4329L125.2302	125 - 5"	1	10,4
F4329L150.2302	150 - 6"	1	13,6
F4329L200.2302	200 - 8"	1	19,5
F4329L250.2302	250 - 10"	1	29,7
F4329L300.2302	300 - 12"	1	45,2

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4329G - Gear box			
F4329G040.1009	040 - 1 1/2"	1	8,9 C
F4329G050.1009	050 - 2"	1	9,5
F4329G065.1009	065 - 2 1/2"	1	11,0
F4329G080.1009	080 - 3"	1	11,6
F4329G100.1009	100 - 4"	1	13,7
F4329G125.1009	125 - 5"	1	18,0
F4329G150.1009	150 - 6"	1	19,0
F4329G200.1009	200 - 8"	1	32,0
F4329G250.1009	250 - 10"	1	42,0
F4329G300.1009	300 - 12"	1	60,0
F4329G350.1009	350 - 14"	1	85,0
F4329G400.1009	400 - 16"	1	141,0
F4329G450.1009	450 - 18"	1	168,0
F4329G500.1009	500 - 20"	1	229,0
F4329G600.1009	600 - 24"	1	312,0

▶ Actuatable valve. Table in the ACTUATORS chapter

BUTTERFLY VALVES

402WL, 402WG Ductile iron wafer butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in epoxy coated duct. iron, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
With lockable lever (Fig. 402WL) or gear (402WG)
Working conditions: Water, -10°C a +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 402WL - Aluminium lever			
F402WL032.2904	032 - 1 1/4"	1	2,9
F402WL040.2904	040 - 1 1/2"	1	3,0
F402WL050.2904	050 - 2"	1	3,7
F402WL065.2904	065 - 2 1/2"	1	4,7
F402WL080.2904	080 - 3"	1	4,5
F402WL100.2904	100 - 4"	1	6,2
F402WL125.2904	125 - 5"	1	7,3
F402WL150.2904	150 - 6"	1	8,7
F402WL200.2904	200 - 8"	1	13,3
F402WL250.2904	250 - 10"	1	19,8
F402WL300.2904	300 - 12"	1	31,6
Fig. 402WG - Gear box			
F402WG040.928	040 - 1 1/2"	1	8,0
F402WG050.928	050 - 2"	1	8,7
F402WG065.928	065 - 2 1/2"	1	9,7
F402WG080.928	080 - 3"	1	9,5
F402WG100.928	100 - 4"	1	11,2
F402WG125.928	125 - 5"	1	12,3
F402WG150.928	150 - 6"	1	13,7
F402WG200.928	200 - 8"	1	26,3
F402WG250.928	250 - 10"	1	32,8
F402WG300.928	300 - 12"	1	44,6

▶ Actuatable valve. Table in the ACTUATORS chapter

OUT

C

432WL, 432WG Ductile iron lug butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in epoxy coated duct. iron, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
With lockable lever (Fig. 432WL) or gear (432WG)
Working conditions: Water, -10°C a +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 432WL - Aluminium lever			
F432WL032.2904	032 - 1 1/4"	1	3,5
F432WL040.2904	040 - 1 1/2"	1	3,8
F432WL050.2904	050 - 2"	1	5,2
F432WL065.2904	065 - 2 1/2"	1	5,5
F432WL080.2904	080 - 3"	1	5,9
F432WL100.2904	100 - 4"	1	9,3
F432WL125.2904	125 - 5"	1	12,9
F432WL150.2904	150 - 6"	1	13,7
F432WL200.2904	200 - 8"	1	19,5
F432WL250.2904	250 - 10"	1	29,7
F432WL300.2904	300 - 12"	1	45,2
Fig. 432WG - Gear box			
F432WG040.928	040 - 1 1/2"	1	9,4 C
F432WG050.928	050 - 2"	1	10,8
F432WG065.928	065 - 2 1/2"	1	11,1
F432WG080.928	080 - 3"	1	11,5
F432WG100.928	100 - 4"	1	14,9
F432WG125.928	125 - 5"	1	18,5
F432WG150.928	150 - 6"	1	19,3
F432WG200.928	200 - 8"	1	28,3
F432WG250.928	250 - 10"	1	38,5
F432WG300.928	300 - 12"	1	54,0

▶ Actuatable valve. Table in the ACTUATORS chapter

OUT

BUTTERFLY VALVES - PN25

4520L, 4520G Ductile iron wafer butterfly valve

PN25



Body in epoxy coated ductile iron GGG40
Disc in nickel pl. duct. iron GGG40, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
With lockable lever (Fig. 4520L) or gear (4520G)
Working conditions: Water, -10°C a +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4520L - Cast Iron lever			
F4520L050.927	050 - 2"	1	4,3
F4520L065.927	065 - 2 1/2"	1	4,7
F4520L080.927	080 - 3"	1	5,1
F4520L100.927	100 - 4"	1	6,1
F4520L125.927	125 - 5"	1	7,9
F4520L150.927	150 - 6"	1	9,6
Fig. 4520G - Gear box			
F4520G065.928	065 - 2 1/2"	1	8,8
F4520G080.928	080 - 3"	1	9,2
F4520G100.928	100 - 4"	1	10,2
F4520G125.928	125 - 5"	1	12,0
F4520G150.928	150 - 6"	1	13,7
F4520G200.928	200 - 8"	1	33,0
F4520G250.928	250 - 10"	1	48,0
F4520G300.928	300 - 12"	1	60,0
F4520G350.928	350 - 14"	1	72,0
F4520G400.928	400 - 16"	1	156,0
F4520G450.928	450 - 18"	1	182,0
F4520G500.928	500 - 20"	1	242,0
F4520G600.928	600 - 24"	1	365,0

Actuable valve. Table in the ACTUATORS chapter

4620L, 4620G Ductile iron lug butterfly valve

PN25



Body in epoxy coated ductile iron GGG40
Disc in nickel pl. duct. iron GGG40, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
With lockable lever (Fig. 4620L) or gear (4620G)
Working conditions: Water, -10°C a +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 4620L - Cast Iron lever			
F4620L050.927	050 - 2"	1	5,1
F4620L065.927	065 - 2 1/2"	1	5,0
F4620L080.927	080 - 3"	1	6,0
F4620L100.927	100 - 4"	1	9,2
F4620L125.927	125 - 5"	1	10,4
F4620L150.927	150 - 6"	1	13,6
Fig. 4620G - Gear box			
F4620G065.928	065 - 2 1/2"	1	11,0
F4620G080.928	080 - 3"	1	11,6
F4620G100.928	100 - 4"	1	13,7
F4620G125.928	125 - 5"	1	18,0
F4620G150.928	150 - 6"	1	19,0
F4620G200.928	200 - 8"	1	27,5
F4620G250.928	250 - 10"	1	32,8
F4620G300.928	300 - 12"	1	60,0
F4620G350.928	350 - 14"	1	73,0
F4620G400.928	400 - 16"	1	96,3
F4620G450.928	450 - 18"	1	121,7
F4620G500.928	500 - 20"	1	236,0
F4620G600.928	600 - 24"	1	360,0

Actuable valve. Table in the ACTUATORS chapter

4820L

Grooved ductile iron butterfly valve

PN25



Grooved (ANSI/ AWWA C606/ Metric)
Body in ductile iron GGG50 epoxy coating
Disc in ductile iron GGG50 coated in EPDM
Stem in SS420 stainless steel
EPDM O-rings, PTFE bushing
PN10 for DN250 and DN300
Working conditions: Water, -20°C a +110°C



Vir Code	DN mm	Pcs./box	Wgt. [Kg]
F482BL050.1944	60,3	1	3,4
F482BL065.1944	76,1*	1	4,3
F482BL080.1944	88,9	1	4,8
F482BL100.1944	114,3	1	7,0
F482BL125.1944	139,7*	1	8,5
F482BL150.1944	168,3	1	11,5
F482BL200.1944	219,1	1	15,6
F482BL250.1944	273	1	29,0
F482BL300.1944	323,9	1	36,0

*Metric groove standard

4020P

Ductile iron wafer butterfly valve

PN16



Body in epoxy coated ductile iron GGG40
Disc in nickel pl. duct. iron GGG40, stem in SS416 stainless steel
EPDM seat, EPDM O-rings, PTFE bushings
Epoxy coated (min 250 µm) RAL 3000
Working conditions: Water, -10°C a +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F4020L040.2904	040 - 1 1/2"	1	3,0
F4020L050.2904	050 - 2"	1	3,1
F4020L065.2904	065 - 2 1/2"	1	4,7
F4020L080.2904	080 - 3"	1	4,5
F4020L100.2904	100 - 4"	1	6,3
F4020L125.2904	125 - 5"	1	10,9
F4020L150.2904	150 - 6"	1	12,0
F4020L200.2904	200 - 8"	1	14,5

Actuable valve. Table in the ACTUATORS chapter



NEW

GATE VALVES

40

Brass gate valve

PN16



Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
Steel handwheel
Stem and wedge in brass
Stem gasket in fiber, adjustable packing
Working conditions: Water, 0°C to +80°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F040K0015.1872	015 - 1/2"	48	8,5
F040K0020.1872	020 - 3/4"	42	9,7
F040K0025.1872	025 - 1"	33	12,9
F040K0032.1872	032 - 1 1/4"	27	15,3
F040K0040.1872	040 - 1 1/2"	10	7,5
F040K0050.1872	050 - 2"	10	10,3
F040K0065.1872	065 - 2 1/2"	10	16,2
F040K0080.1872	080 - 3"	10	17,6
F040K0100.1872	100 - 4"	4	15,8

90, 90LK

Bronze gate valve

PN16



Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
With aluminum handwheel (Fig. 90) or lockshield (Fig. 90LK)
Bronze bonnet, DZR brass stem and wedge
Body-bonnet PTFE gasket
Stem gasket in graphite, adjustable packing
Working conditions: Water, -10°C to +170°C
Max 16bar up to 100°C, max 7bar at 170°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 90			
F0900B015.2683	015 - 1/2"	60	14,1
F0900B020.2683	020 - 3/4"	50	15,5
F0900B025.2683	025 - 1"	25	11,8
F0900B032.2683	032 - 1 1/4"	15	11,1
F0900B040.2683	040 - 1 1/2"	10	9,2
F0900B050.2683	050 - 2"	6	9,5
Fig. 90LK			
F090LB015.2714	015 - 1/2"	60	13,3
F090LB020.2714	020 - 3/4"	50	14,9
F090LB025.2714	025 - 1"	25	11,5
F090LB032.2714	032 - 1 1/4"	15	10,6
F090LB040.2714	040 - 1 1/2"	10	9,4
F090LB050.2714	050 - 2"	6	9,2

Lockshield key for Fig. 90LK (KUT090010.2800) available on request

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Brass gate valve

PN20



Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
Aluminum handwheel
Stem and wedge in brass
Stem gasket in fiber, adjustable packing
Working conditions: Water, 0°C to +150°C (110°C for DN≥65)
DN≤50, max 20bar up to 100°C, max 13bar at 150°C
DN≥65, max 20bar up to 100°C, max 18bar at 110°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F056G0015.945	015 - 1/2"	100	24,8
F056G0020.945	020 - 3/4"	70	25,5
F056G0025.945	025 - 1"	50	27,1
F056G0032.945	032 - 1 1/4"	30	23,1
F056G0040.945	040 - 1 1/2"	20	21,4
F056G0050.945	050 - 2"	10	18,0
F056G0065.945	065 - 2 1/2"	6	17,2
F056G0080.945	080 - 3"	4	15,4
F056G0100.945	100 - 4"	2	13,9

100, 100LK

Bronze gate valve

PN20



Threaded F/F (ISO 228/1)
Non rising blow-out proof stem
With aluminum handwheel (Fig. 100) or lockshield (Fig. 100LK)
Bronze bonnet, stem and wedge
Body-bonnet PTFE gasket
Stem gasket in graphite, adjustable packing
Working conditions: Water, -10°C to +170°C
Max 20bar up to 100°C, max 10bar at 170°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 100			
F1000B015.3591	015 - 1/2"	60	14,2
F1000B020.3591	020 - 3/4"	50	15,6
F1000B025.3591	025 - 1"	25	11,8
F1000B032.3591	032 - 1 1/4"	15	11,2
F1000B040.3591	040 - 1 1/2"	10	9,3
F1000B050.3591	050 - 2"	6	9,5
Fig. 100LK			
F100LB015.3592	015 - 1/2"	60	13,3
F100LB020.3592	020 - 3/4"	50	15,0
F100LB025.3592	025 - 1"	25	11,6
F100LB032.3592	032 - 1 1/4"	15	10,7
F100LB040.3592	040 - 1 1/2"	10	9,4
F100LB050.3592	050 - 2"	6	9,3

Lockshield key for Fig. 100LK (KUT090010.2800) available on request

NEW
C

GATE VALVES

110

Bronze gate valve

PN25



Threaded F/F (ISO 7/1 Rp)
Non rising blow-out proof stem
Aluminum handwheel
Bronze bonnet and wedge, DZR brass stem
Stem gasket in graphite, adjustable packing
Working conditions: Water, -10°C to +170°C
Max 25bar up to 100°C, max 13bar at 170°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F1100B020.2796	020 - 3/4"	30	13,5
F1100B025.2796	025 - 1"	15	10,5
F1100B032.2796	032 - 1 1/4"	12	12,0
F1100B040.2796	040 - 1 1/2"	10	13,9
F1100B050.2796	050 - 2"	5	10,6

120

Bronze gate valve union bonnet

PN25



Threaded F/F (ISO 7/1 Rp)
Rising stem
Aluminum handwheel
Bronze bonnet and wedge, DZR brass stem, brass union nut
Stem gasket in graphite, adjustable packing
Working conditions: Water, -10°C to +170°C
Max 25bar up to 100°C, max 13bar at 170°C

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F1200B020.2799	020 - 3/4"	20	12,3
F1200B025.2799	025 - 1"	15	14,1
F1200B032.2799	032 - 1 1/4"	15	20,6
F1200B040.2799	040 - 1 1/2"	10	19,3
F1200B050.2799	050 - 2"	5	15,0

914

Flanged soft sealed gate valve

PN16



Flanged PN16 (EN1092-2)
Face to face length in compliance with EN558-1 series 14 (DIN 3202 F4)
Ductile iron EN-GJS 450-10 body, bonnet and handwheel
Epoxy coating
Ductile iron EN-GJS 450-10 wedge EPDM coated
Stainless steel non rising stem
Working conditions: Water, -10°C to +80°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F0914I040.1047	040 - 1 1/2"	1	8,5
F0914I050.1047	050 - 2"	1	9,2
F0914I065.1047	065 - 2 1/2"	1	11,2
F0914I080.1047	080 - 3"	1	15,0
F0914I100.1047	100 - 4"	1	18,5
F0914I125.1047	125 - 5"	1	27,5
F0914I150.1047	150 - 6"	1	34,0
F0914I200.1047	200 - 8"	1	54,0
F0914I250.1047	250 - 10"	1	85,0
F0914I300.1047	300 - 12"	1	175,0
F0914I350.1047	350 - 14"	1	175,0
F0914I400.1047	400 - 16"	1	205,0
Fig. 914 - PN10			
F0914I200.1746	200 - 8"	1	54,0
F0914I250.1746	250 - 10"	1	85,0
F0914I300.1746	300 - 12"	1	175,0

Accessories available in the **ACCESSORIES** section at the end of the chapter

914P

Flanged soft sealed gate valve

PN16



Flanged PN16 (EN1092-2)
Face to face length in compliance with EN558-1 series 14 (DIN 3202 F4)
Ductile iron EN-GJS 450-10 body, bonnet and handwheel
Epoxy coating
Ductile iron EN-GJS 450-10 wedge EPDM coated
Stainless steel non rising stem with position indicator
Working conditions: Water, 0°C to +80°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F0914I050.3268	050 - 2"	1	9,4
F0914I065.3268	065 - 2 1/2"	1	11,8
F0914I080.3268	080 - 3"	1	13,8
F0914I100.3268	100 - 4"	1	19,0
F0914I125.3268	125 - 5"	1	24,6
F0914I150.3268	150 - 6"	1	34,9
F0914I200.3268	200 - 8"	1	40,0
F0914I250.3268	250 - 10"	1	85,0

GATE VALVES

1510

Cast iron globe valve

PN16



Flanged PN16 (EN1092-2)
Face to face length compliant with EN558-1 series 1 (DIN 3202 F1)
Body and bonnet in cast iron GG25
Seat and disc in stainless steel
Stem in stainless steel
Body-bonnet graphite + NiCr gasket
Stem gasket in graphite, adjustable packing
Working conditions: Water, -10°C to +300°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F1510I015.1328	015 - 1/2"	1	3,3
F1510I020.1328	020 - 3/4"	1	3,9
F1510I025.1328	025 - 1"	1	5,0
F1510I032.1328	032 - 1 1/4"	1	6,6
F1510I040.1328	040 - 1 1/2"	1	9,4
F1510I050.1328	050 - 2"	1	12,0
F1510I065.1328	065 - 2 1/2"	1	17,0
F1510I080.1328	080 - 3"	1	22,7
F1510I100.1328	100 - 4"	1	35,8
F1510I125.1328	125 - 5"	1	52,8
F1510I150.1328	150 - 6"	1	74,2
F1510I200.1328	200 - 8"	1	126,0
F1510I250.1328	250 - 10"	1	200,0
F1510I300.1328	300 - 12"	1	315,0

1520

Valve with oblique shutter and soft seal

PN16



Flanged PN16 (EN1092-2)
Face to face length in compliance with EN558-1 series 14 (DIN 3202 F4)
Body and bonnet in cast iron GG25
Cast iron GG25 wedge EPDM coated
Stainless steel stem
Gasket and O-ring in EPDM
Working conditions: Water, -10°C to +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F1520I015.1376	015 - 1/2"	1	3,4
F1520I020.1376	020 - 3/4"	1	3,8
F1520I025.1376	025 - 1"	1	4,3
F1520I032.1376	032 - 1 1/4"	1	5,4
F1520I040.1376	040 - 1 1/2"	1	7,6
F1520I050.1376	050 - 2"	1	9,1
F1520I065.1376	065 - 2 1/2"	1	11,9
F1520I080.1376	080 - 3"	1	16,5
F1520I100.1376	100 - 4"	1	24,2
F1520I125.1376	125 - 5"	1	28,6
F1520I150.1376	150 - 6"	1	38,3
F1520I200.1376	200 - 8"	1	74

ACCESSORIES FOR BALL VALVES

Lock One with adaptor



Device to allow padlocking and change from bent to flat lever
Supplied with polyamide adaptor and flat lever
Fig. 340, 343, 348, 342, 340J

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
K300NK008.656	008 - 010	100	5,9
K300NK015.656	015 - 020	100	9,0
K300NK025.656	025 - 032	100	11,7
K300NK040.656	040 - 050	50	9,5
K300NK065.656	065 - 100	6	4,0

Lock One

Device to allow padlocking
Fig. 340G e 343G



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
K3000N008.279	008 - 010	100	0,3
K3000N015.279	015 - 020	100	0,6
K3000N025.279	025 - 032	100	0,8
K3000N040.279	040 - 050	50	0,7
K3000N065.279	065 - 100	6	0,2

Lock 99

Lockable flat steel lever
Supplied with polyamide adaptor
Fig. 340, 343, 348, 342, 340J



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
KXM303008.998	008 - 010	500	16,0
KXM303015.998	015 - 020	400	23,6
KXM303025.998	025 - 032	200	17,4
KXM303040.998	040 - 050	200	29,2

ACCESSORIES FOR BALL VALVES

Bent levers

SS304 stainless steel bent lever
Fig. 340, 343, 348, 342, 340 Solar, 340J, 340LN

NEW

C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Red lever			
KXM300008.354	008 - 010	500	12,8
KXM300015.354	015 - 020	250	12,55
KXM300025.354	025 - 032	150	11,55
KXM300040.354	040 - 050	100	13,3
KXM300065.354	065 - 080	50	14,05
KXM300100.354	100	25	13,4
Blue lever			
KXM300008.353	008 - 010	500	12,8
KXM300015.353	015 - 020	250	12,55
KXM300025.353	025 - 032	150	11,55
KXM300040.353	040 - 050	100	13,3
KXM300065.353	065 - 080	50	14,05
KXM300100.353	100	25	13,4

Flat lever

Steel flat lever
Fig. 340T, 340G, 343G, 280, 380LN, 380I Solar, 5020, 5021, 5024, 5028



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Red lever - SS304			
KXM301008.1196	008 - 010	500	11
KXM301015.1196	015 - 020	250	10
KXM301025.1196	025 - 032	150	9,8
KXM301040.1196	040 - 050	100	11,6
Butterfly lever - Dacromet			
KXM301008.379	008 - 010	500	8
KXM301015.379	015 - 020	250	14
KXM301025.379	025 - 032	150	11
KXM301040.379	040 - 050	100	21,5

Stem extensions

Aluminum extension with brass rod
(Steel for 390 and 390G models)



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Fig. 340, 343, 348, 342, 340J			
K3000X008.277	008 - 010	250	7,5
K3000X015.277	015 - 020	250	14,8
K3000X025.277	025 - 032	100	7,8
K3000X040.277	040 - 050	50	4,5
KPR303065.2159	065 - 100	25	7,1
Fig. 330, 333			
KPR5C0015.2131	015 - 020	400	20,0
KPR5C0025.2131	025 - 032	200	16,6
KPR5C0040.2131	040 - 050	100	11,7
Fig. 390, 390G			
KPR390040.266	040 - 050	1	0,5
KPR390065.266	065 - 100	1	0,6
KPR390125.266	125 - 150	1	0,6
Fig. 33FF, 33MF			
KPR33X015.2810	015 - 020	250	14,8
KPR33X025.2810	025 - 032	250	7,8
KPR33X040.2810	040 - 050	100	4,5
Fig. 380, 380I Solar			
K3000X008.278	008 - 010	250	7,5
K3000X015.278	015 - 020	250	14,8
K3000X025.278	025 - 032	100	7,8
K3000X040.278	040 - 050	50	4,5



ACCESSORIES FOR BUTTERFLY VALVES

Gears for butterfly valves

Cast iron gears
ISO 5211 connection

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Gear with chain (2+2m lenght)			
KXV4PHA00.3321	032 / 150	1	5,8
KXV4PHB00.3321	200 / 250	1	10,5
KXV4PHC00.3321	300 / 350	1	12,3
KXV4PHD00.3321	400 / 600	1	29,1

For all items except 4820L



Gear with limit switches

Aluminum gear with limit switches
Connection for valve according ISO 5211
1 open and 1 close limit switch
Enclosure protection: IP65



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KXV4PEA00.2933	032 / 080	1	5,5
KXV4PEB00.2933	100	1	5,5
KXV4PEC00.2933	125 / 150	1	5,5
KXV4PED00.2933	200	1	8,0
KXV4PEE00.2933	250	1	8,0
KXV4PEF00.2933	300 / 350	1	10,5

For all items except 4820L



Limit switch for butterfly valves with lever

Limit switch for butterfly valves with lever
Enclosure protection: IP65
Supplied with mounting pad for flange ISO 5211 F05/F07
Suitable for mounting on open or closed position
Mounting screws included



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Versione per leva in ghisa			
KSC4PEA00.1612	032 - 150	1	0,1
Versione per leva in alluminio			
KSC4PEA01.1612	032 - 300	1	0,1

For all items except 4820L



SPARE PARTS FOR BALL VALVES

Bent handles and butterflyes

Bent spare handles
Fig. 340, 343, 348, 342, 340 Solar, 340J, 340LN

C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Black lever			
KXM300008.3347	008 - 010	500	12,8
KXM300015.3347	015 - 020	250	12,55
KXM300025.3347	025 - 032	150	11,55
KXM300040.3347	040 - 050	100	13,3
KXM300065.3347	065 - 080	50	14,05
KXM300100.3347	100	25	13,4
Red lever			
KXM300008.438	008 - 010	500	12,8
KXM300015.438	015 - 020	250	12,55
KXM300025.438	025 - 032	150	11,55
KXM300040.438	040 - 050	100	13,3
KXM300065.438	065 - 080	50	14,05
KXM300100.438	100	25	13,4
Black butterfly			
KXF300008.1358	008 - 010	500	3,8
KXF300015.1358	015 - 020	90	7,5
KXF300025.1358	025 - 032	50	1,8
KXF300040.1358	040 - 050	100	13,3
Red butterfly			
KXF300008.359	008 - 010	500	3,8
KXF300015.359	015 - 020	90	7,5
KXF300025.359	025 - 032	50	1,8
KXF300040.359	040 - 050	100	13,3



SPARE PARTS FOR BUTTERFLY VALVES

Levers for butterfly valves

Available in cast iron or aluminium
ISO 5211 connection
Available with black coating



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Cast iron			
KXM4PAA00.932	032 / 080	1	0,9
KXM4PAB00.932	100	1	0,9
KXM4PAC00.932	125 / 150	1	0,9
KXM4PAD00.932	200	1	2,0
KXM4PAE00.932	250	1	2,0
KXM4PAF00.932	300	1	2,0
Aluminium			
KXM4PCA00.1525	032 / 080	1	0,4
KXM4PCB00.1525	100	1	0,4
KXM4PCC00.1525	125 / 150	1	0,4
KXM4PCD00.1525	200	1	0,4
KXM4PCE00.1525	250	1	0,6
KXM4PCF00.1525	300	1	0,6

For all items except 4820L

Gears for butterfly valves

Cast iron gears
ISO 5211 connection



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KXV4PAA00.932	032 / 080	1	3,8
KXV4PAB00.932	100	1	5,0
KXV4PAC00.932	125 / 150	1	3,8
KXV4PAD00.932	200	1	9,9
KXV4PAE00.932	250	1	8,8
KXV4PAF00.932	300 / 350	1	15,0
KXV4PAG00.932	400 / 450	1	36,0

For all items except 4820L

Spare pin

Spare pin for gears reducer handwheel-stem connection



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KVR4PGA00.3320	032 / 150	100	0,6
KVR4PGD00.3320	200 / 350	100	0,6

ACCESSORIES AND SPARE PARTS FOR BUTTERFLY VALVES

Accessories and spare parts

Accessories and spare parts Fig. 914

C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Extension operating devices 1m length			
KPR091040.312	040 - 065	1	3,0
KPR091080.312	080 - 100	1	3,0
KPR091125.312	125 - 200	1	3,0
KPR091250.312	250 - 300	1	3,0
KPR091350.312	350 - 400	1	3,0

Polyethylene cover for extension device

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KSH091040.2503	040 - 400	1	0,0

Spare handwheel

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KXV091050.3062	050	1	0,8
KXV091065.3062	065	1	1,2
KXV091080.3062	080	1	1,2
KXV091100.3062	100	1	1,2
KXV091125.3062	125 - 150	1	2,0
KXV091200.3062	200	1	3,4
KXV091250.3062	250 - 300	1	4,5
KXV091350.3062	350 - 400	1	7,2

ACTUATORS INDEX

ACTUATORS TABLE p.92

Actuators table

ACTUATORS p.94

VAURIEN • VAURIEN-B • VAURIEN-M • CUTTER-AQ • CUTTER-ENO
AM-980 • AM-980L • HOVERCRAFT • SLOOP II

ACCESSORIES p.99

Accessories for pneumatic actuators



SUMMARY TABLE - ACTUATORS

BUTTERFLY VALVES PN16							
Cod. VIR	mm - inches	ELECTRIC				PNEUMATIC	
		ON-OFF		MODULATING		DE	SE
		230V	24 VDC	230V	24 VDC		
4020 4025 4029 4320 4325 4329 4020P	032 - 1 1/4"	KACUTAQ00.800		KACUTAQ20.801		KAHOVER15.801	KAHOVER29.801
	040 - 1 1/2"						
	050 - 2"						
	065 - 2 1/2"	KACUTAQ01.800		KACUTAQ21.801			KAHOVER30.801
	080 - 3"						KAHOVER31.801
	100 - 4"	KACUTAQ02.800		KACUTAQ22.801			KAHOVER16.801
	125 - 5"						KAHOVER18.801
	150 - 6"						KACUTAQ03.800
	200 - 8"	KACUTAQ05.800	KACUTAQ10.800	KACUTAQ25.800	KACUTAQ30.800	KAHOVER21.801	KAHOVER36.801
	250 - 10"	KACUTAQ07.800	KACUTAQ18.800	KACUTAQ27.800	on request	KAHOVER22.801	KAHOVER38.801
	300 - 12"	KACUTAQ11.800	KACUTAQ19.800	KACUTAQ31.800	on request	KAHOVER23.801	KAHOVER39.801
	350 - 14"						
	400 - 16"	KACUTAQ12.800	n/a	KACUTAQ32.800	n/a	KAHOVER25.801	KAHOVER40.801
	450 - 18"		n/a		n/a	KAHOVER26.801	KAHOVER42.801
	500 - 20"	KACUTAQ13.800	n/a	KACUTAQ33.800	n/a	KAHOVER27.801	n/a
600 - 24"	n/a		n/a		n/a		

BUTTERFLY VALVES PN25							
Cod. VIR	mm - inches	ELECTRIC				PNEUMATIC	
		ON-OFF		MODULATING		DE	SE
		230V	24 VDC	230V	24 VDC		
4520 4620	050 - 2"	KACUTAQ01.800		KACUTAQ21.800		KAHOVER15.801	KAHOVER30.801
	065 - 2 1/2"						
	080 - 3"						
	100 - 4"	KACUTAQ02.800		KACUTAQ22.800			KAHOVER16.801
	125 - 5"						
	150 - 6"	KACUTAQ03.800	KACUTAQ08.800	KACUTAQ23.800	KACUTAQ28.800	KAHOVER18.801	KAHOVER33.801
	200 - 8"	KACUTAQ04.800	KACUTAQ09.800	KACUTAQ24.800	KACUTAQ29.800	KAHOVER20.801	KAHOVER36.801
	250 - 10"	KACUTAQ06.800	KACUTAQ17.800	KACUTAQ26.800	on request	KAHOVER21.801	on request
	300 - 12"	KACUTAQ07.800	KACUTAQ18.800	KACUTAQ27.800	on request	KAHOVER22.801	on request
	350 - 14"	KACUTAQ11.800	KACUTAQ19.800	KACUTAQ31.800	on request	KAHOVER24.801	n/a
	400 - 16"	on request	on request	on request	on request	KAHOVER25.801	n/a
	450 - 18"	n/a	n/a	n/a	n/a	n/a	n/a
	500 - 20"	n/a	n/a	n/a	n/a	n/a	n/a
	600 - 24"	n/a	n/a	n/a	n/a	n/a	n/a

FLANGED BALL VALVES								
Cod. VIR	mm - inches	ELECTRIC				PNEUMATIC		Notes
		ON-OFF		MODULATING		DE	SE	
		230V	24 VDC	230V	24 VDC			
390	025 - 1"	KACUTAQ01.800		n/a	n/a			
	032 - 1 1/4"							
	040 - 1 1/2"							
	050 - 2"	KACUTAQ02.800		KAHOVER15.801	KAHOVER31.801			
	065 - 2 1/2"							
	080 - 3"	KACUTAQ05.800	KACUTAQ10.800	KAHOVER16.801	KAHOVER32.801	KAHOVER17.801	KAHOVER33.801	
	100 - 4"							
	125 - 5"							
	150 - 6"	KACUTAQ07.800	KACUTAQ18.800	KAHOVER18.801	KAHOVER33.801	KAHOVER19.801	KAHOVER34.801	
	200 - 8"	on request	on request	KAHOVER21.801	KAHOVER36.801	KAHOVER22.801	KAHOVER37.801	
			KAHOVER23.801	KAHOVER38.801				

THREADED BALL VALVES					THREADED BALL VALVES ENO			
Cod. VIR	mm - inches	ELECTRIC		PNEUMATIC		Cod. VIR	mm - inches	ELECTRIC
		230V	24V	DE	SE			
		325 32T	015 - 1/2"	KASLOOP24.800 KASLOOP32.800 KASLOOP28.800 KASLOOP34.800	KASLOOP22.800 KASLOOP33.800 KASLOOP25.800 KASLOOP37.800			
020 - 3/4"								
025 - 1"								
032 - 1 1/4"								
040 - 1 1/2"								
050 - 2"								

STAINLESS STEEL THREADED BALL VALVES							Notes
Cod. VIR	mm - inches	ELECTRIC		PNEUMATIC			
		230V	24V	DE	SE		
		39BVF	008 - 1/4"	KASLOOP24.800 KASLOOP32.800 KASLOOP28.800 KASLOOP34.800	KASLOOP22.800 KASLOOP33.800 KASLOOP25.800 KASLOOP37.800	n/a	n/a
010 - 3/8"							
015 - 1/2"							
020 - 3/4"							
025 - 1"	KAHOVER28.801						
032 - 1 1/4"	KACUTAQ00.800		KAHOVER15.801				
040 - 1 1/2"	KACUTAQ01.800			KAHOVER31.801			
050 - 2"	KACUTAQ02.800		KAHOVER17.801	KAHOVER32.801			
065 - 2 1/2"							
080 - 3"					KAHOVER18.801	KAHOVER34.801	
100 - 4"	on request						

THREADED BALL VALVES				BALANCING VALVES					
Cod. VIR	mm - inches	ELECTRIC		MODULATING	Cod. VIR	mm - inches	ELECTRIC		
		ON-OFF	MODULATING				230V	24V	
		230V	24V				24 VAC/DC		
980F 980FT 980FL 988F 988FT 988FL	015 - 1/2"	KAM980L00.800 KAM980L01.800 KAM980L06.800 KAM980L07.800 KAM15F120.800	KAM980L02.800 KAM980L03.800 KAM15F122.800	KAM980L05.800 KAM15S132.800	9525	L 015 - L 1/2"	KA952AT50.800	KA952AT52.800	
	020 - 3/4"								
	025 - 1"								
	032 - 1 1/4"					on request			on request
	040 - 1 1/2"					on request			on request
	050 - 2"					on request			on request

BALANCING VALVES						Notes	
Cod. VIR	mm - inches	ELECTRIC					
		MODULATING	230V	24V	MODULATING		
		9700 9705 9703	L 015 - L 1/2"	KA9700001.800 KA9700002.800	KA952AT50.800	KA952AT52.800	KA952AT09.800
	015 - 1/2"						
	020 - 3/4"	KA952AT05.800	KA952AT07.800				
	025 - 1"						
	032 - 1 1/4"				KA952AT10.800 KA952AT11.800		

BALANCING VALVES					Notes
Cod. VIR	mm - inches	ELECTRIC			
		230V	24V	MODULATING	
		9705B	040 - 1 1/2"	KA9705B03.800	KA9705B04.800
	050 - 2"				

ACTUATORS

VAURIEN Linear thermoelectric actuator



Supply voltage: 24V AC/DC or 230VAC
 M30x1,5mm threaded nut with fast connection
 Enclosure protection: IP54
 2 points control
 Stroke time: about 3 to 5 minutes
 Normally closed (NC)
 Normally open (NO) version available on request



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
230VAC version			
KA952AT50.800	100N	1	0,1
KA952AT05.800	125N	1	0,1
24V AC/DC version			
KA952AT52.800	100N	1	0,1
KA952AT07.800	125N	1	0,1
24VAC version, 0-10V (only for Fig. 9700/9705/9703)			
KA952AT09.800	DN15-DN20	1	0,1
KA952AT10.800	DN25-DN32	1	0,1
KA952AT11.800	DN15-DN32	1	0,1

VAURIEN-B Electric actuator



Supply voltage: 24VAC or 230VAC
 M30x1,5 threaded connection
 Enclosure protection: IP43
 3 points control or 0-10VDC control (adjustable for other signals)
 Stroke time: 2 to 3 minutes (depending on models)
 Linear characteristic



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Versione 230VAC, controllo a 3 punti			
KA9705B03.800	300N	1	0,3 C
Versione 24VAC, controllo a 3 punti			
KA9705B04.800	300N	1	0,3 C
Versione 24VAC, controllo 0-10V			
KA9705B05.800	300N	1	0,3

VAURIEN-M Modulating electric actuator



Supply voltage: 24V AC/DC
 M30x1,5 threaded connection
 Enclosure protection: IP54
 0-10V control signal, position feedback
 (adjustable for 0-5VDC, 5-10VDC, 2-10VDC, 0-20mA o 4-20mA)
 Max stroke 6,3mm, stroke time 8sec./mm
 Linear characteristic (adjustable for equal-percentage characteristic)

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KA9700001.800	130N	1	0,3
Version with electrical fail safe			
KA9700002.800	130N	1	0,2
KA9700002.800 configurator			
KA9700002.800	130N	1	0,2 C

SLOOP II Electric actuator 15Nm



Supply voltage: 230 VAC or 24 VAC
 F05 flange, 9mm or 11mm stem connections
 Enclosure protection: IP65
 Travel time for 90°: 60"
 2 or 3 points control
 With aux. open switch or open/close switches connected to supply
 Manual override



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
230VAC version, 2 points control, 1 auxiliary switch			
KASLOOP24.800	up to DN050	5	4,0
230VAC version, 2 points control, open/close switches connected to supply			
KASLOOP32.800	up to DN050	5	3,1
230VAC version, 3 points control, 1 auxiliary switch			
KASLOOP28.800	up to DN050	5	4,0
24VAC version, 2 points control, 1 auxiliary switch			
KASLOOP22.800	up to DN050	5	4,0
24VAC version, 2 points control, open/close switches connected to supply			
KASLOOP33.800	up to DN050	5	3,1
24VAC version, 3 points control, 1 auxiliary switch			
KASLOOP25.800	up to DN050	5	4,0
230VAC version, 2 points control, 1 auxiliary switch + thermal break on stem			
KASLOOP34.800	up to DN050	5	4,0
24VAC version, 2/3 points control, 1 auxiliary switch + thermal break on stem			
KASLOOP37.800	up to DN050	5	4,0

CUTTER-ENO Electric actuator for oenology



Supply voltage: 24 VAC
 F05 flange, 9mm stem connection
 Enclosure protection: IP67
 Travel time for 90°: 50"
 2 or 3 points control
 With auxiliary open and close limit switches
 Manual override



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KACUTEN00.800	DN15-DN50	1	1,2

Stainless steel stem extension length 40mm			
KPR3MV015.2634	DN15-DN50	1	0,3
Stainless steel stem extension length 70mm			
KPR3MV015.2823	DN15-DN50	1	0,5
Stam extension and adapter kit			
KPR3MV015.2824	DN15-DN50	1	0,5 C

OUT

ACTUATORS

AM-980 Electric actuator



Supply voltage: 24V AC/DC or 230VAC
ISO 5211 F04 - \varnothing 9mm connection
Enclosure protection: IP54
Travel time for 90°: 30" to 120"
2/3 points control versions or 0-10V versions
Manual override



OUT

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
230VAC version, travel 120°, 2/3 points control			
KAM15F120.800	015 - 050	1	0,7
230VAC version, travel 120°, 2/3 points control			
KAM15F122.800	015 - 050	1	0,7 C
24V AC/DC version, adj. travel 35°/60°/120°, 0-10V control			
KAM15S132.800	015 - 050	1	0,7

AM-980L Electric actuator



Supply voltage: 24V AC/DC or 230VAC
ISO 5211 F04 - \varnothing 9mm fast connection
Enclosure protection: da IP44 a IP54
Travel time for 90°: 5" to 30"
2 points, 3 points or 0-10V control versions
Integrated manual override



Codice Vir	Dimensione mm - pollici	Pezzi per Scatola	Peso cad. [Kg]
230VAC version, travel 30°, 2 points control			
KAM980L00.800	015 - 050	1	0,5
230VAC version, travel 30°, 2 points control, 1 auxiliary switch			
KAM980L01.800	015 - 050	1	0,5
Versione 24VAC, travel 30°, 2 points control			
KAM980L02.800	015 - 050	1	0,5
24VAC version, travel 30°, 2 points control, 1 auxiliary switch			
KAM980L03.800	015 - 050	1	0,5
24VAC version, travel 5°, 2/3 points control, 11 auxiliary switch			
KAM980L04.800	015 - 050	1	0,5
24VAC version, travel 60°, 0-10V control, 1 auxiliary switch			
KAM980L05.800	015 - 050	1	0,5
230VAC version, travel 30°, 3 points control			
KAM980L06.800	015 - 050	1	0,5 C
230VAC version, travel 30°, 3 points control, 1 auxiliary switch			
KAM980L07.800	015 - 050	1	0,5 C

CUTTER-AQ Electric actuator



Supply voltage: 85-260VAC/24VDC, 230VAC or 24VDC
ISO 5211 connection
Enclosure protection: IP68
Travel time for 90°: from 12" to 80" (depending on model)
Auxiliary switches: 2
3 points control
Manual override



Vir Code	Type	Pcs./box	Wgt. [Kg]
230VAC o 24VDC version			
KACUTAQ00.800	ON/OFF	1	2,5
KACUTAQ01.800	ON/OFF	1	2,5
KACUTAQ02.800	ON/OFF	1	3,0
230VAC version			
KACUTAQ03.800	ON/OFF	1	10,0
KACUTAQ04.800	ON/OFF	1	10,0
KACUTAQ05.800	ON/OFF	1	15,0
KACUTAQ06.800	ON/OFF	1	15,0
KACUTAQ07.800	ON/OFF	1	15,0
KACUTAQ11.800	ON/OFF	1	18,0
KACUTAQ12.800	ON/OFF	1	48,0
KACUTAQ13.800	ON/OFF	1	58,0
24VDC version			
KACUTAQ08.800	ON/OFF	1	10,0
KACUTAQ09.800	ON/OFF	1	10,0
KACUTAQ10.800	ON/OFF	1	15,0
KACUTAQ17.800	ON/OFF	1	15,0
KACUTAQ18.800	ON/OFF	1	15,0
KACUTAQ19.800	ON/OFF	1	15,0

Vir Code	Type	Pcs./box	Wgt. [Kg]
230VAC o 24VDC version			
KACUTAQ20.800	MODULATING	1	2,5
KACUTAQ21.800	MODULATING	1	2,5
KACUTAQ22.800	MODULATING	1	3,0
230VAC version			
KACUTAQ23.800	MODULATING	1	10,0
KACUTAQ24.800	MODULATING	1	10,0
KACUTAQ25.800	MODULATING	1	15,0
KACUTAQ26.800	MODULATING	1	15,0
KACUTAQ27.800	MODULATING	1	15,0
KACUTAQ31.800	MODULATING	1	18,0
KACUTAQ32.800	MODULATING	1	48,0 C
KACUTAQ33.800	MODULATING	1	58,0
24VDC version			
KACUTAQ28.800	MODULATING	1	10,0
KACUTAQ29.800	MODULATING	1	10,0
KACUTAQ30.800	MODULATING	1	15,0



ACTUATOR

HOVERCRAFT Aluminum pneumatic actuator



Anodized aluminum body
ISO 5211 connection
Nickel plated steel pinion
Flange, end cap and pistons in die cast aluminum
Air supply: 1 to 10 bar
Double acting or spring return versions available



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Double effect version			
KAHOVER15.801	-	1	1,8
KAHOVER16.801	-	1	2,4
KAHOVER17.801	-	1	2,9
KAHOVER18.801	-	1	4,0
KAHOVER19.801	-	1	4,8
KAHOVER20.801	-	1	7,6
KAHOVER21.801	-	1	9,0
KAHOVER22.801	-	1	12,5
KAHOVER23.801	-	1	17,8
KAHOVER24.801	-	1	22,2
KAHOVER25.801	-	1	36,3
KAHOVER26.801	-	1	42,8
KAHOVER27.801	-	1	66,8

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
spring return version			
KAHOVER29.801	-	1	2,6
KAHOVER30.801	-	1	3,3
KAHOVER31.801	-	1	4,5
KAHOVER32.801	-	1	5,6
KAHOVER33.801	-	1	9,0
KAHOVER34.801	-	1	10,7
KAHOVER35.801	-	1	15,0
KAHOVER36.801	-	1	22,6
KAHOVER37.801	-	1	27,0
KAHOVER38.801	-	1	45,9
KAHOVER39.801	-	1	52,4
KAHOVER40.801	-	1	83,0
KAHOVER42.801	-	1	98,0

ACCESSORIES FOR PNEUMATIC ACTUATOR

Limit switch box for pneumatic actuator



NAMUR connection for actuator
Body in technopolymer
Enclosure protection: IP65
1NO/1NC open switch + 1NO/1NC close switch



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KA0FX00A2.801	-	1	0,2

Solenoid valve for pneumatic actuator



NAMUR connection for actuator
Body in technopolymer
Enclosure protection: IP65
Convertible monostable
Supply fluid pressures: 2,5bar to 10bar



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
230VAC version			
KA0010ZB2.801	-	1	0,2
24VAC version			
KA0080ZB2.801	-	1	0,2
24VDC version			
KA0030ZB2.801	-	1	0,2
10VAC version			
KA0020ZB2.801	-	1	0,2

Electro pneumatic positioner for pneumatic actuator



NAMUR connection for actuator
Cast aluminum body
Enclosure protection IP66
Supply voltage 10-30 VDC
Input and output control signal: 4-20 mA
Allowable supply fluid pressures from 1,4bar to 7bar



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KAPEY0100.2553	-	1	2,1

CHECK INDEX

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806

SWING CHECK p.106

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SPRING CHECK p.108

815V • 765S • 765K • 765 • 790

PISTON CHECK p.110

8090



WAFER CHECK VALVES

771

Brass spring loaded check valve

PN16

EAC

Wafer type suitable for EN1092 PN10 or PN16 flanges
Spring in SS302 stainless steel and disc in SS304 stainless steel
Body in brass (ductile iron GGG40 beyond DN100)
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Brass version			
F77100015.1016	015 - 1/2"	1	0,1
F77100020.1016	020 - 3/4"	1	0,1
F77100025.1016	025 - 1"	1	0,2
F77100032.1016	032 - 1 1/4"	1	0,5
F77100040.1016	040 - 1 1/2"	1	0,6
F77100050.1016	050 - 2"	1	1,0
F77100065.1016	065 - 2 1/2"	1	1,4
F77100080.1016	080 - 3"	1	2,1
F77100100.1016	100 - 4"	1	3,3
Cast iron version			
F77100125.1020	125 - 5"	1	6,5
F77100150.1020	150 - 6"	1	8,3
F77100200.1020	200 - 8"	1	14,5

776

Cast iron dual check valve

PN16

CE EAC WRAS APPROVED PRODUCT

Suitable for EN1092 PN16 flanges
Suitable also for flanges PN10 up to DN≤250
GG25 cast iron body, EPDM seal
SS316 stainless steel disc
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F77600050.1013	050 - 2"	1	1,5
F77600065.1013	065 - 2 1/2"	1	2,3
F77600080.1013	080 - 3"	1	3,6
F77600100.1013	100 - 4"	1	4,4
F77600125.1013	125 - 5"	1	6,0
F77600150.1013	150 - 6"	1	8,6
F77600200.1013	200 - 8"	1	15,2
F77600250.1013	250 - 10"	1	24,0
F77600300.1013	300 - 12"	1	32,0
F77600350.1013	350 - 14"	1	40,8
F77600400.1013	400 - 16"	1	62,5
F77600450.1013	450 - 18"	1	98,0
F77600500.1013	500 - 20"	1	125,0
F77600600.1013	600 - 24"	1	170,0

775

Stainless steel spring loaded check valve

PN40

EAC

Wafer type suitable for EN1092 PN10 or PN16 flanges
Body, spring and disc in SS316 stainless steel
Working conditions: Water, -10°C to +220°C
Max 40bar up to 100°C, max 10bar above



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F77500015.1021	015 - 1/2"	1	0,2
F77500020.1021	020 - 3/4"	1	0,2
F77500025.1021	025 - 1"	1	0,3
F77500032.1021	032 - 1 1/4"	1	0,5
F77500040.1021	040 - 1 1/2"	1	0,7
F77500050.1021	050 - 2"	1	1,0
F77500065.1021	065 - 2 1/2"	1	1,5
F77500080.1021	080 - 3"	1	1,8
F77500100.1021	100 - 4"	1	3,3

776H

Cast iron dual check valve

PN25

CE EAC

Wafer type suitable for EN1092 PN25 flanges
Ductile iron GGG40 body, EPDM seal
SS316 stainless steel discs
Working conditions: Water, 0°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F77600050.2918	050 - 2"	1	1,5
F77600065.2918	065 - 2 1/2"	1	2,3
F77600080.2918	080 - 3"	1	3,6
F77600100.2918	100 - 4"	1	4,4
F77600125.2918	125 - 5"	1	6,0
F77600150.2918	150 - 6"	1	8,6
F77600200.2918	200 - 8"	1	15,2
F77600250.2918	250 - 10"	1	22,0
F77600300.2918	300 - 12"	1	30,0
F77600350.2918	350 - 14"	1	48,0 ^C

WAFER CHECK VALVES

777

Wafer swing check valve

PN16

ERC



Suitable for EN1092 PN10 or PN16 flanges
Carbon steel body
Stainless steel disc
EPDM seal
Working conditions: Water, 0°C to +100°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F77700040.1372	040 - 1 1/4"	1	0,7
F77700050.1372	050 - 2"	1	0,9
F77700065.1372	065 - 2 1/2"	1	1,1
F77700080.1372	080 - 3"	1	1,4
F77700100.1372	100 - 4"	1	2,3
F77700125.1372	125 - 5"	1	3,0
F77700150.1372	150 - 6"	1	4,2
F77700200.1372	200 - 8"	1	7,0
F77700250.1372	250 - 10"	1	12,6
F77700300.1372	300 - 12"	1	20,0

BALL CHECK VALVES

806

Ball check valve

PN16

ERC



Threaded F/F (ISO 228/1) or flanged PN16 (EN1092-2)
Body in cast iron GG25 for flanged version
Body in ductile iron GGG40 for threaded version
NBR coated metallic ball
Body-bonnet gasket in NBR
Working conditions: Water, 0°C to +80°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Threaded version			
F8060I025.2245	025 - 1"	1	1,3
F8060I032.2245	032 - 1 1/4"	1	1,4
F8060I040.2245	040 - 1 1/2"	1	2,0
F8060I050.2245	050 - 2"	1	3,5
Flanged version			
F8060I065.2246	065 - 2 1/2"	1	11,5
F8060I080.2246	080 - 3"	1	15,1
F8060I100.2246	100 - 4"	1	21,5
F8060I125.2246	125 - 5"	1	33,5
F8060I150.2246	150 - 6"	1	47,0
F8060I200.2246	200 - 8"	1	85,0
F8060I250.2246	250 - 10"	1	85,0
F8060I300.2246	300 - 12"	1	203,0
PN10 Flanged version			
F8060I200.3263	200 - 8"	1	85,0
F8060I250.3263	250 - 10"	1	85,0
F8060I300.3263	300 - 12"	1	203,0

CLAPET CHECK VALVES

830

Brass swing check valve

PN16

ERC



Threaded F/F (ISO 228/1)
Disc in brass
NBR disc gasket
Body-bonnet gasket in fiber
PN6 for DN≥65
Working conditions: Water, 0°C to +100°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F8300Z015.62	015 - 1/2"	1	0,1
F8300Z020.62	020 - 3/4"	1	0,2
F8300Z025.62	025 - 1"	1	0,4
F8300Z032.62	032 - 1 1/4"	1	0,5
F8300Z040.62	040 - 1 1/2"	1	0,7
F8300Z050.62	050 - 2"	1	1,0
F8300Z065.62	065 - 2 1/2"	1	1,6
F8300Z080.62	080 - 3"	1	2,3
F8300Z100.62	100 - 4"	1	3,8

835

Bronze swing check valve

PN16

ERC



Threaded F/F (ISO 228/1)
Bronze body, brass hinge cap and internal parts
Metal seal
Hinge cap O-ring in NBR
Body-bonnet gasket in NBR (PTFE for DN≥32)
Working conditions: Water, 0°C to +95°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F8350B010.14	010 - 3/8"	100	18,0
F8350B015.14	015 - 1/2"	100	21,0
F8350B020.14	020 - 3/4"	60	20,4
F8350B025.14	025 - 1"	40	18,8
F8350B032.14	032 - 1 1/4"	25	17,5
F8350B040.14	040 - 1 1/2"	16	13,4
F8350B050.14	050 - 2"	12	16,0
F8350B065.14	065 - 2 1/2"	6	11,8
F8350B080.14	080 - 3"	5	14,5
F8350B100.14	100 - 4"	4	19,2

890, 890E

Cast iron swing check valve

PN16

CE ERC



Flanged PN16 (EN1092-2)
Body and disc in cast iron GG25
Metal seat (890) or EPDM seat (890E)
Body-bonnet gasket in EPDM
Working conditions: Water, 0°C to +100°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 890 - Metal seat			
F8905I050.1015	050 - 2"	1	12,4
F8905I065.1015	065 - 2 1/2"	1	15,2
F8905I080.1015	080 - 3"	1	19,5
F8905I100.1015	100 - 4"	1	26,8
F8905I125.1015	125 - 5"	1	42,0
F8905I150.1015	150 - 6"	1	57,7
F8905I200.1015	200 - 8"	1	93,0
F8905I250.1015	250 - 10"	1	145,0
F8905I300.1015	300 - 12"	1	221,0
Fig. 890E - EPDM seat			
F8905I050.2837	050 - 2"	1	12,4
F8905I065.2837	065 - 2 1/2"	1	15,2
F8905I080.2837	080 - 3"	1	19,5
F8905I100.2837	100 - 4"	1	26,8
F8905I125.2837	125 - 5"	1	42,0
F8905I150.2837	150 - 6"	1	57,7
F8905I200.2837	200 - 8"	1	93,0
F8905I250.2837	250 - 10"	1	145,0
F8905I300.2837	300 - 12"	1	221,0

890J

Grooved ductile iron swing check valve

PN20



Grooved (ANSI/AWWA C606 / Metric)
Ductile iron GGG50 body
Stainless steel seat
Ductile iron GGG50 disc EPDM coated
Working conditions: Water, 0°C to +80°C



Vir Code	DN mm	Pcs./box	Wgt. [Kg]
F8500I050.1945	050	1	12,6
F8500I065.1945	065	1	15,8
F8500I080.1945	080	1	22,6
F8500I100.1945	100	1	32,6
F8500I125.1945	125	1	40,0
F8500I150.1945	150	1	66,0
F8500I200.1945	200	1	94,0
F8500I250.1945	250	1	152,0
F8500I300.1945	300	1	200,0

NEW

C

SPRING - LOADED CHECK VALVE

815V

Brass foot valve

PN10

ERC



Threaded F (ISO 228/1)
Nut, filter and disc in brass
SBR seal
Fiber body-strainer gasket
PN8 for DN≥32, PN6 for DN≥65
Working conditions: Water, 0°C to +90°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F8150Z015.62	015 - 1/2"	1	0,1
F8150Z020.62	020 - 3/4"	1	0,2
F8150Z025.62	025 - 1"	1	0,3
F8150Z032.62	032 - 1 1/4"	1	0,4
F8150Z040.62	040 - 1 1/2"	1	0,6
F8150Z050.62	050 - 2"	1	0,8
F8150Z065.62	065 - 2 1/2"	1	1,3
F8150Z080.62	080 - 3"	1	1,8
F8150Z100.62	100 - 4"	1	3,1

765S

Spring-loaded stainless steel valve

PN40



Threaded F/F (ISO 7/1 Rp)
Stainless steel SS316 body and disc, PTFE gaskets
Stainless steel SS316 spring
Working conditions: Water, -20°C to +180°C
DN≤50: max 40bar up to 85°C, max 16bar above
DN≥65: max 40bar up to 85°C, max 10bar above



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F76500010.3018	010 - 3/8"	1	0,2
F76500015.3018	015 - 1/2"	1	0,2
F76500020.3018	020 - 3/4"	1	0,3
F76500025.3018	025 - 1"	1	0,4
F76500032.3018	032 - 1 1/4"	1	0,7
F76500040.3018	040 - 1 1/2"	1	1,0
F76500050.3018	050 - 2"	1	1,6
F76500065.3018	065 - 2 1/2"	1	2,9
F76500080.3018	080 - 3"	1	4,8

765K

Spring-loaded brass check valve

PN25



Threaded F/F (ISO 7/1 Rp)
Stainless steel AISI 302 spring
Brass disc, EPDM Perox gasket
Stainless steel AISI 304 optional foot strainer (mesh 1000µm)
Working conditions: Water 0°C to +100°C
PN25 for DN≤50
PN16 for DN≥65



NEW

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F765K0010.3195	010 - 3/8"	1	0,1
F765K0015.3195	015 - 1/2"	1	0,2
F765K0020.3195	020 - 3/4"	1	0,2
F765K0025.3195	025 - 1"	1	0,3
F765K0032.3195	032 - 1 1/4"	1	0,5
F765K0040.3195	040 - 1 1/2"	1	0,7
F765K0050.3195	050 - 2"	1	1,0
F765K0065.3195	065 - 2 1/2"	1	2,2
F765K0080.3195	080 - 3"	1	3,2

765

Spring-loaded brass check valve

PN16

ERC



Threaded F/F (ISO 228/1)
Stainless steel AISI 302 spring
Brass disc, NBR gasket
PN10 for DN≥65
Working conditions: Water, 0°C to +100°C

Optional foot strainer
Threaded M (ISO 228/1)
AISI 304 stainless steel body, polyamide end
Mesh 1000µm

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F76500015.1014	015 - 1/2"	1	0,2
F76500020.1014	020 - 3/4"	1	0,2
F76500025.1014	025 - 1"	1	0,3
F76500032.1014	032 - 1 1/4"	1	0,4
F76500040.1014	040 - 1 1/2"	1	0,5
F76500050.1014	050 - 2"	1	0,7
F76500065.1014	065 - 2 1/2"	1	2,8
F76500080.1014	080 - 3"	1	4,2
F76500100.1014	100 - 4"	1	6,3

Optional foot strainer

KFF760015.1371	015 - 1/2"	1	0,1
KFF760020.1371	020 - 3/4"	1	0,1
KFF760025.1371	025 - 1"	1	0,1
KFF760032.1371	032 - 1 1/4"	1	0,1
KFF760040.1371	040 - 1 1/2"	1	0,1
KFF760050.1371	050 - 2"	1	0,1
KFF760065.1371	065 - 2 1/2"	1	0,1
KFF760080.1371	080 - 3"	1	0,1
KFF760100.1371	100 - 4"	1	0,2



OUT

790

Cast iron silent check valve

PN16

ERC



Flanged PN16 (EN1092-2)
Body in cast iron GG25, guide and disc in ductile iron GGG40
Stainless steel SS316 spring
EPDM seal
Working conditions: Water, 0°C to +80°C

Optional foot strainer
Flanged PN16 (EN1092-2)
Zinc plated steel body

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F79001050.695	050 - 2"	1	5,1
F79001065.695	065 - 2 1/2"	1	7,7
F79001080.695	080 - 3"	1	9,5
F79001100.695	100 - 4"	1	12,5
F79001125.695	125 - 5"	1	20,5
F79001150.695	150 - 6"	1	29,0
F79001200.695	200 - 8"	1	47,0
F79001250.695	250 - 10"	1	70,0
F79001300.695	300 - 12"	1	105,0

Optional foot strainer

KFF790050.1582	050 - 2"	1	0,4
KFF790065.1582	065 - 2 1/2"	1	0,7
KFF790080.1582	080 - 3"	1	0,8
KFF790100.1582	100 - 4"	1	1,0
KFF790125.1582	125 - 5"	1	1,5
KFF790150.1582	150 - 6"	1	2,7
KFF790200.1582	200 - 8"	1	3,5
KFF790250.1582	250 - 10"	1	4,5
KFF790300.1582	300 - 12"	1	5,3



PISTON CHECK VALVE

8090

Cast iron piston check valve

PN16

CE EAC



Flanged PN16 (EN1092-2)
GG25 cast iron body
Carbon steel screw
Stainless steel disc
Graphite+stainless steel gasket
Working conditions: Water, -10°C a +300°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F8090I015.1438	015 - 1/2"	1	2,6
F8090I020.1438	020 - 3/4"	1	3,4
F8090I025.1438	025 - 1"	1	4,4
F8090I032.1438	032 - 1 1/4"	1	5,8
F8090I040.1438	040 - 1 1/2"	1	8,4
F8090I050.1438	050 - 2"	1	10,4
F8090I065.1438	065 - 2 1/2"	1	18
F8090I080.1438	80 - 3"	1	20,6
F8090I100.1438	100 - 4"	1	32,0
F8090I125.1438	125 - 5"	1	44,0
F8090I150.1438	150 - 6"	1	62,0
F8090I200.1438	200 - 8"	1	110,0
F8090I250.1438	250 - 10"	1	180,0
F8090I300.1438	300 - 12"	1	260,0

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9390-9393



PLUMBING

1FVC

Five cotter pin float valve with flat rod

PN5

Threaded M (ISO 228/1)
Brass body (bronze for DN≥65)
Copper floater with brass lock
Available also with plastic HDPE floater and steel lock
Working conditions: Water, 0°C to +60°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Valve with Copper Floater			
F93FCV015.2963	015 - 1/2"	1	0,3
F93FCV020.2963	020 - 3/4"	1	0,4
F93FCV025.2963	025 - 1"	1	0,7
F93FCV032.2963	032 - 1 1/4"	1	1,4
F93FCV040.2963	040 - 1 1/2"	1	1,8
F93FCV050.2963	050 - 2"	1	2,4
F93FCV065.3005	065 - 2 1/2"	1	4,5
F93FCV080.3005	080 - 3"	1	6,2
F93FCV100.3005	100 - 4"	1	9,2

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Valve with HDPE Floater			
F93FCV020.3361	020 - 3/4"	1	0,4
F93FCV025.3361	025 - 1"	1	0,6
F93FCV032.3361	032 - 1 1/4"	1	1,3
F93FCV040.3361	040 - 1 1/2"	1	1,7
F93FCV050.3361	050 - 2"	1	2,1
F93FCV065.3361	065 - 2 1/2"	1	4,2
F93FCV080.3361	080 - 3"	1	5,9
F93FCV100.3361	100 - 4"	1	8,9



NEW

C

1EFV

Equilibrium float valve

PN10

Threaded M (ISO 228/1)
Brass body
Available copper or ABS floater (provided separately)
Working conditions: Water, 0°C to +85°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Valve without floater			
F1FV01015.3469	015 - 1/2"	1	0,5
F1FV01020.3469	020 - 3/4"	1	0,9
F1FV01025.3469	025 - 1"	1	1,6
F1FV01032.3469	032 - 1 1/4"	1	3,4

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
ABS Floater (provided separately)			
KXK1FB015.3477	015 - 1/2"	1	0,1
KXK1FB020.3477	020 - 3/4"	1	0,1
KXK1FB025.3477	025 - 1"	1	0,2
KXK1FB032.3477	032 - 1 1/4"	1	0,4

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Copper Floater (provided separately)			
KXK1FB015.3534	015 - 1/2"	1	0,1
KXK1FB020.3534	020 - 3/4"	1	0,2
KXK1FB025.3534	025 - 1"	1	0,2
KXK1FB032.3534	032 - 1 1/4"	1	0,6



NEW

C

1L801

Brass angle valve

PN10

Threaded M 1/2" ISO 228/1 on wall side
Threaded M 1/2" ISO 228/1 on sink side
Chrome-plated brass body
SS304 stainless steel covering plate
Working conditions: Water, 0°C to +95°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Valve with Copper Floater			
F1L801015.3397	015 - 1/2"	1	0,2



NEW

C

1L805, 1L806

Brass angle valve

PN10

Descrizione ENG:
Threaded M 1/2" ISO 228/1 on wall side
Threaded M 1/2" ISO 228/1 on sink side (Fig. 1L805)
Olive and nut connection Ø10 on sink side (Fig. 1L806)
Chrome-plated brass body
EPDM gasket and O-ring
SS304 stainless steel covering plate
Working conditions: Water, 0°C to +95°C



1L805



1L806

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 1L805			
F1L805015.3398	015 - 1/2"	1	0,1
Fig. 1L806			
F1L806015.3399	015 - 1/2"	1	0,1



NEW

C

782DR

Spring-loaded DZR brass double check valve

PN16

Threaded F/F (ISO 228/1)
DZR brass body
POM check valves embedded in the body
NBR gaskets
Working conditions: Water, 0°C to +95°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Valve with Copper Floater			
F78200015.3424	015 - 1/2"	1	0,1
F78200020.3424	020 - 3/4"	1	0,2
F78200025.3424	025 - 1"	1	0,3
F78200032.3424	032 - 1 1/4"	1	0,6
F78200040.3424	040 - 1 1/2"	1	0,7
F78200050.3424	050 - 2"	1	1,4



NEW

C

PLUMBING

9TMDR-A5 DZR brass thermostatic mixing valve

PN10



Threaded unions M/M/M (ISO 228/1)
Nickel plated DZR brass body and unions
EPDM gasket and O-ring
Check valve with filter at the inlets
Adjustment cap with tamper-proof feature
Setting range: 38 - 46 °C
Working conditions: Water, 0°C to +85°C



NEW

C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F9TM00015.3579	015 - 1/2"	1	0,5
F9TM00020.3579	020 - 3/4"		0,6

9TB1 DZR lead free brass thermostatic balancing valve

PN16



Threaded unions F/F (ISO 7/1 Rp)
DZR "lead free" brass body and unions
"lead free" brass inner components
EPDM O-ring
Balancing based on temperature
Temperature setting done at factory
Working conditions: Water, 0°C to +90°C



NEW

C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]	T Set.
F9T1UR104.3596	015 - 1/2"	1	0,4	46° C
F9T1UR105.3596	015 - 1/2"	1	0,4	49° C
F9T1UR107.3596	015 - 1/2"	1	0,4	54° C
F9T1UR109.3596	015 - 1/2"	1	0,4	60° C
F9T1UR111.3596	015 - 1/2"	1	0,4	66° C
F9T1UR204.3596	020 - 3/4"	1	0,6	46° C
F9T1UR205.3596	020 - 3/4"	1	0,6	49° C
F9T1UR207.3596	020 - 3/4"	1	0,6	54° C
F9T1UR209.3596	020 - 3/4"	1	0,6	60° C
F9T1UR211.3596	020 - 3/4"	1	0,6	66° C
F9T1UR304.3596	025 - 1"	1	0,8	46° C
F9T1UR305.3596	025 - 1"	1	0,8	49° C
F9T1UR307.3596	025 - 1"	1	0,8	54° C
F9T1UR309.3596	025 - 1"	1	0,8	60° C
F9T1UR311.3596	025 - 1"	1	0,8	66° C

9WH Water hammer arrestor

PN10



Threaded M (ISO 7/1 R)
Copper body and brass fitting
Polyamide piston and FKM O-ring
Working conditions: Water, 0°C to +82°C



NEW

C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]	PDI Size	Fixture Units
F9WH01015.3458	015 - 1/2"	1	0,1	AA	1-3
F9WH01020.3458	020 - 3/4"	1	0,2	B	12-32
F9WH01025.3458	025 - 1"	1	0,2	C	33-60

ACCESSORIES

TG-IVS V-Type glass tube thermometer

Threaded M 1/2" ISO 228/1
Metal body, glass tube and brass probe
Measuring range: 0 - 60 °C / 32 - 140 °F



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. TG-IVS			
KTGIVS200.3492	015 - 1/2"	1	0,3



NEW

C

PG-IVA Pressure gage with radial connection

Threaded M 1/2" ISO 7/1 R
AISI 304 stainless steel case D.100 mm glycerin filled
Brass Bourdon tube
Double scale, bar and psi
Accuracy at 20 °C 1% FS
Measuring range: 0 - 20 bar / 0 - 300 psi



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. PG-IVA			
KPGIVA100.3491	015 - 1/2"	1	0,6

CN-ING Brass valve for pressure gage

PN25

Threaded F/F ISO 7/1 Rc
Brass body and polyethylene lever handle
Working conditions: Water, -20°C to +50°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. CN-ING			
KCNING015.3494	015 - 1/2"	1	0,2

CN-INU U-shape syphon for pressure gauge

Descrizione ENG:
Threaded M/M 1/2" ISO 7/1 R
Carbon steel pipe and brass fixing nut



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. CN-ING			
KCNINU015.3493	015 - 1/2"	1	0,5

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Spare strainer 895

SPARE PARTS p.125

Spare strainer 895 • Spare strainer 899I



STRAINERS

899A

Brass strainer

PN20



Threaded F/F (ISO 228/1)
AISI 304 stainless steel strainer
Mesh 13
Working conditions: Water, 0°C to +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F899A0015.3430	015 - 1/2"	1	0,1
F899A0020.3430	020 - 3/4"	1	0,2
F899A0025.3430	025 - 1"	1	0,3
F899A0032.3430	032 - 1 1/4"	1	0,6
F899A0040.3430	040 - 1 1/2"	1	0,7
F899A0050.3430	050 - 2"	1	1,2



NEW

899S

Stainless steel strainer

PN40



Threaded F/F (ISO 7/1 Rp)
Stainless steel SS316 strainer
Stainless steel SS316 bonnet, body-bonnet gasket in PTFE
Working conditions: Water, -20°C to +180°C
DN≤50: max 40bar up to 85°C, max 16bar above
DN≥65: max 40bar up to 85°C, max 10bar above

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F8990S015.3017	015 - 1/2"	1	0,1
F8990S020.3017	020 - 3/4"	1	0,3
F8990S025.3017	025 - 1"	1	0,4
F8990S032.3017	032 - 1 1/4"	1	0,5
F8990S040.3017	040 - 1 1/2"	1	0,7
F8990S050.3017	050 - 2"	1	1,0
F8990S065.3017	065 - 2 1/2"	1	2,7
F8990S080.3017	080 - 3"	1	5,4
F8990S100.3017	100 - 4"	1	5,9



899I

Brass strainer

PN20



Threaded F/F (ISO 228/1)
Stainless steel AISI 302 filter
Body-bonnet gasket in fiber
PN16 for DN100
Working conditions: Water, 0°C to +80°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F8990Z008.62	008 - 1/4"	1	0,1
F8990Z010.62	010 - 3/8"	1	0,1
F8990Z015.62	015 - 1/2"	1	0,1
F8990Z020.62	020 - 3/4"	1	0,2
F8990Z025.62	025 - 1"	1	0,3
F8990Z032.62	032 - 1 1/4"	1	0,6
F8990Z040.62	040 - 1 1/2"	1	0,9
F8990Z050.62	050 - 2"	1	1,4
F8990Z065.62	065 - 2 1/2"	1	2,3
F8990Z080.62	080 - 3"	1	3,1
F8990Z100.62	100 - 4"	1	4,7



OUT

900

Bronze strainer

PN20



Threaded F/F (ISO 228/1)
Bronze body, stainless steel AISI 304 filter
Brass bonnet, body-bonnet gasket in fiber
Working conditions: Water, -10° to +150°
DN≥65, max 20bar up to 110°C, max 10bar above

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F9000B010.19	010 - 3/8"	100	17,5
F9000B015.19	015 - 1/2"	100	18,2
F9000B020.19	020 - 3/4"	50	14,3
F9000B025.19	025 - 1"	40	16,4
F9000B032.19	032 - 1 1/4"	20	13,7
F9000B040.19	040 - 1 1/2"	10	8,9
F9000B050.19	050 - 2"	10	14,0
F9000B065.19	065 - 2 1/2"	8	22,1
F9000B080.19	080 - 3"	4	14,5
F9000B100.19	100 - 4"	2	14,0



WRAS version with PTFE gasket for DN15-DN50 (F9000Bmis.1553) available on request

Replacement strainers are available in the **SPARE PARTS** section at the end of the chapter

899H

Brass DZR strainer

PN32



Threaded F/F (ISO 7/1 Rc)
Stainless steel AISI 316 filter
Body-bonnet gasket in modified PTFE
Working conditions: Water, 0°C to +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F899ST015.3368	015 - 1/2"	1	0,2
F899ST020.3368	020 - 3/4"	1	0,3
F899ST025.3368	025 - 1"	1	0,4
F899ST032.3368	032 - 1 1/4"	1	0,7
F899ST040.3368	040 - 1 1/2"	1	1,0
F899ST050.3368	050 - 2"	1	1,5



89DV

Strainer with drain and probe holders

PN25



Threaded F/F (ISO 228/1)
Stainless steel AISI 304 strainer
Body-bonnet gasket in PTFE
With threaded drain (3/8" ISO 7/1Rp)
With 4 threaded and plugged probe holders (1/4" ISO 7/1Rp)
Optional accessories available for drain and probe holders
Working conditions: Water, 0°C to +130°C
Max 25bar up to 110°C, max 20bar above

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F89DV0020.1979	020 - 3/4"	1	0,4

Valvola per spurgo tipo 89DV-241			
F241X0010.1962	010 - 3/8"	1	0,1

Can be mounted on drain: Fig. 95TP/ Fig. 9315 test point (pag.28) with drain or thermometer. Other accessories available on request.



C

STRAINERS

91F

DZR brass strainer with optional drain and test point

PN25



Threaded F/F (ISO 228/1)
Stainless steel AISI 304 strainer with 20 mesh
Body-bonnet gasket in PTFE
With threaded drain (3/4" ISO 228/1) as option
Working conditions: Water, 0°C to +130°C
Max 25bar up to 110°C, max 20bar above



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Version with drain and test point			
F91F00015.3109	015 - 1/2"	40	12,8
F91F00020.3109	020 - 3/4"	30	12,4
F91F00025.3109	025 - 1"	20	11,0
Version with only strainer			
F91F00015.3196	015 - 1/2"	1	0,2 C
F91F00020.3196	020 - 3/4"	1	0,3
F91F00025.3196	025 - 1"	1	0,4

895H

Ductile iron strainer

PN25

CE



Flanged PN25 (EN1092-2)
Ductile iron GGG40 body
Stainless steel AISI 304 strainer
Body-bonnet gasket in graphite
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F89511050.2932	050 - 2"	1	10,0
F89511065.2932	065 - 2 1/2"	1	15,0
F89511080.2932	080 - 3"	1	18,0
F89511100.2932	100 - 4"	1	26,0
F89511125.2932	125 - 5"	1	39,0
F89511150.2932	150 - 6"	1	50,0
F89511200.2932	200 - 8"	1	80,0
F89511250.2932	250 - 10"	1	130,0
F89511300.2932	300 - 12"	1	180,0
F89511350.2932	350 - 14"	1	285,0 C

895

Cast iron strainer

PN16

CE WRAS



Flanged PN16 (EN1092-2)
Cast iron GG25 body
Stainless steel AISI 304 strainer
Hole diameter 1,5mm up to DN≤150, 2,0mm above
Body-bonnet gasket in EPDM
Working conditions: Water, 0°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F89511015.842	015 - 1/2"	1	2,0
F89511020.842	020 - 3/4"	1	3,0
F89511025.842	025 - 1"	1	4,0
F89511032.842	032 - 1 1/4"	1	6,0
F89511040.842	040 - 1 1/2"	1	7,2
F89511050.842	050 - 2"	1	8,4
F89511065.842	065 - 2 1/2"	1	12,7
F89511080.842	080 - 3"	1	15,5
F89511100.842	100 - 4"	1	21,8
F89511125.842	125 - 5"	1	30,5
F89511150.842	150 - 6"	1	43,9
F89511200.842	200 - 8"	1	78,0
F89511250.842	250 - 10"	1	126,0
F89511300.842	300 - 12"	1	165,0
F89511350.842	350 - 14"	1	293,5
F89511400.842	400 - 16"	1	389,0
F89511450.842	450 - 18"	1	510,0
F89511500.842	500 - 20"	1	640,0
F89511600.842	600 - 24"	1	1072,0

- ▶ Spare EPDM gasket available in the **SPARE PARTS** section at the end of the chapter
- ▶ Spare strainer are available in the **SPARE PARTS** section at the end of the chapter

895J

Grooved ductile iron strainer

PN25

CE



Grooved (ANSI/AWWA C606 / Metric)
Ductile iron GGG50 body
Stainless steel AISI 304 strainer
Working conditions: Water, -10°C to +100°C



Vir Code	DN mm	Pcs./box	Wgt. [Kg]
F89521050.1945	60,3	1	10,0
F89521065.1945	76,1*	1	11,0
F89521080.1945	88,9	1	13,0
F89521100.1945	114,3	1	23,0
F89521125.1945	139,7*	1	42,0
F89521150.1945	168,3	1	51,0
F89521200.1945	219,1	1	100,0
F89521250.1945	273,0	1	125,0
F89521300.1945	323,9	1	160,0

*Metric groove standard

ACCESSORIES

895

Strainers with custom perforation

AISI 304 stainless steel strainer



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 895 stainer with 1mm hole diameter			
KFF895032.3071	032 - 1 1/4"	1	0,5
KFF895040.3071	040 - 1 1/2"	1	1,3
KFF895050.3071	050 - 2"	1	2,3
KFF895065.3071	065 - 2 1/2"	1	3,2
KFF895080.3071	080 - 3"	1	4,7
KFF895100.3071	100 - 4"	1	6,6
KFF895125.3071	125 - 5"	1	9,5
KFF895150.3071	150 - 6"	1	13,3
KFF895200.3071	200 - 8"	1	21,6
KFF895250.3071	250 - 10"	1	31,9
KFF895300.3071	300 - 12"	1	44,1
Fig. 895 stainer with 0.8mm hole diameter			
KFF895032.3072	032 - 1 1/4"	1	0,5
KFF895040.3072	040 - 1 1/2"	1	1,3
KFF895050.3072	050 - 2"	1	2,3
KFF895065.3072	065 - 2 1/2"	1	3,2
KFF895080.3072	080 - 3"	1	4,7
KFF895100.3072	100 - 4"	1	6,6
KFF895125.3072	125 - 5"	1	9,5
KFF895150.3072	150 - 6"	1	13,3
KFF895200.3072	200 - 8"	1	21,6
KFF895250.3072	250 - 10"	1	31,9
KFF895300.3072	300 - 12"	1	44,1

SPARE PARTS

895

Spare strainers and gaskets

AISI 304 stainless steel strainer
Hole diameter 1,5mm up to DN≤150, 2,0mm above



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 895 spare strainer			
KFF895050.2025	050 - 2"	1	2,3
KFF895065.2025	065 - 2 1/2"	1	3,2
KFF895080.2025	080 - 3"	1	4,7
KFF895100.2025	100 - 4"	1	6,6
KFF895125.2025	125 - 5"	1	9,5
KFF895150.2025	150 - 6"	1	13,3
KFF895200.2025	200 - 8"	1	21,6
KFF895250.2025	250 - 10"	1	31,9
KFF895300.2025	300 - 12"	1	44,1
KFF895350.2025	350 - 14"	1	60,2
KFF895400.2025	400 - 16"	1	81,3
EPDM spare gasket			
KXG895040.3167	040 - 1 1/2"	1	0,1
KXG895050.3167	050 - 2"	1	0,1
KXG895065.3167	065 - 2 1/2"	1	0,1
KXG895080.3167	080 - 3"	1	0,1
KXG895100.3167	100 - 4"	1	0,1
KXG895125.3167	125 - 5"	1	0,1
KXG895150.3167	150 - 6"	1	0,1
KXG895200.3167	200 - 8"	1	0,1
KXG895250.3167	250 - 10"	1	0,1
KXG895300.3167	300 - 12"	1	0,1
KXG895350.3167	350 - 14"	1	0,1
KXG895400.3167	400 - 16"	1	0,1

8991

Spare strainer

AISI 304 stainless steel strainer



OUT

C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
Fig. 899 spare strainer			
KFF899010.2342	010 - 3/8"	1	0,1
KFF899015.2342	015 - 1/2"	1	0,1
KFF899020.2342	020 - 3/4"	1	0,2
KFF899025.2342	025 - 1"	1	0,3
KFF899032.2342	032 - 1 1/4"	1	0,6
KFF899040.2342	040 - 1 1/2"	1	0,9
KFF899050.2342	050 - 2"	1	1,4
KFF899065.2342	065 - 2 1/2"	1	2,3
KFF899080.2342	080 - 3"	1	3,1
KFF899100.2342	100 - 4"	1	4,7



FLEXIBLE JOINTS

KGTT

Threaded flexible joint

PN16



Threaded union ends (ISO 228/1)
EPDM body reinforced with polyamide wire
Galvanized iron ends
Angular flexion 10° to 30° (depending on size)
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KGT800020.1163	020 - 3/4"	1	0,7
KGT800025.1163	025 - 1"	1	1,2
KGT800032.1163	032 - 1 1/4"	1	1,5
KGT800040.1163	040 - 1 1/2"	1	2,0
KGT800050.1163	050 - 2"	1	2,6
KGT800065.1163	065 - 2 1/2"	1	4,2
KGT800080.1163	080 - 3"	1	5,5

KGTF-HD

Flanged flexible joint for "Heavy Duty"

PN16



Flanged PN16 (EN1092-1)
EPDM body reinforced with polyamide wire
Deflection angle from 15° and 35° depending on the sizes
Allowable movement of 20mm for lateral and axial extension, 30mm for compression
Working conditions: Water, -35°C to +90°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KGT800050.3259	050 - 2"	1	4,6
KGT800065.3259	065 - 2 1/2"	1	5,3
KGT800080.3259	080 - 3"	1	7,0
KGT800100.3259	100 - 4"	1	7,6
KGT800125.3259	125 - 5"	1	9,9
KGT800150.3259	150 - 6"	1	12,4
KGT800200.3259	200 - 8"	1	17,7

KGTP

Flexible joint

PN16



Lug type for PN16 (EN1092-1) flanges
Also suitable for PN10 flange up to DN≤150
EPDM body, steel threaded inserts
Working conditions: Water, -20°C to +100°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KGT800020.2182	020 - 3/4"	1	2,0
KGT800025.2182	025 - 1"	1	2,4
KGT800032.2182	032 - 1 1/4"	1	3,0
KGT800040.2182	040 - 1 1/2"	1	3,4
KGT800050.2182	050 - 2"	1	4,1
KGT800065.2182	065 - 2 1/2"	1	5,0
KGT800080.2182	080 - 3"	1	6,0
KGT800100.2182	100 - 4"	1	7,0
KGT800125.2182	125 - 5"	1	8,0
KGT800150.2182	150 - 6"	1	11,1
KGT800200.2183	200 - 8"	1	16,2
Version for PN10 flanges			
KGT800200.2182	200 - 8"	1	16,2

KGTF

Flanged flexible joint

PN16



Flanged PN16 (EN1092-1)
EPDM body reinforced with polyamide wire
Deflection angle 15°
Working conditions: Water, -10°C to +110°C



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
KGT800025.1124	025 - 1"	1	2,5
KGT800032.1124	032 - 1 1/4"	1	2,8
KGT800040.1124	040 - 1 1/2"	1	3,6
KGT800050.1124	050 - 2"	1	5,2
KGT800065.1124	065 - 2 1/2"	1	6,0
KGT800080.1124	080 - 3"	1	7,2
KGT800100.1124	100 - 4"	1	8,6
KGT800125.1124	125 - 5"	1	11,5
KGT800150.1124	150 - 6"	1	14,7
KGT800200.1124	200 - 8"	1	20,0
KGT800250.1124	250 - 10"	1	28,0
KGT800300.1124	300 - 12"	1	32,0
KGT800350.1124	350 - 14"	1	65,0
KGT800400.1124	400 - 16"	1	88,0
KGT800450.1124	450 - 18"	1	71,0
KGT800500.1124	500 - 20"	1	105,0
KGT800600.1124	600 - 24"	1	130,0

Version for PN10 flanges

KGT800200.1836	200 - 8"	1	20,0
KGT800250.1836	250 - 10"	1	28,0
KGT800300.1836	300 - 12"	1	32,0

Optional tie rods

KVR800050.312	050 - 2"	1	2,8
KVR800065.312	065 - 2 1/2"	1	3,5
KVR800080.312	080 - 3"	1	2,7
KVR800100.312	100 - 4"	1	3,2
KVR800125.312	125 - 5"	1	3,6
KVR800150.312	150 - 6"	1	5,6
KVR800200.312	200 - 8"	1	6,4
KVR800250.312	250 - 10"	1	12,6
KVR800300.312	300 - 12"	1	13,8





AIR VENTS

9390, 9393 Automatic air vent

PN10



Fig.9390



Fig.9393

Threaded M (ISO 228/1)
 Brass body, EPDM gaskets
 Floating in polypropylene
 Version with brass check valve available
 Working conditions: Water, 0°C to +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
9390 - Automatic air vent version			
F93900010.1776	010 - 3/8"	1	0,2
F93900015.1776	015 - 1/2"	1	0,2
9393 - Automatic air vent with check valve version			
F93930015.2674	015 - 1/2"	1	0,3

9380 Cast iron automatic air vent

PN16



Threaded F (ISO 7/1 Rp)
 Cast iron GG25 body, EPDM gaskets
 Floating ball in polypropylene stainless steel AISI 304
 Working conditions: Water, 0°C to +110°C

Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F93801015.2833	015 - 1/2"	1	3,5
F93801020.2833	020 - 3/4"	1	3,5
F93801025.2833	025 - 1"	1	3,5
F93801032.2833	032 - 1 1/4"	1	4,0
F93801040.2833	040 - 1 1/2"	1	4,0
F93801050.2833	050 - 2"	1	4,0



VALVES FOR GAS

340G

Brass ball valve for gas

PN25

euroGAS  CE EAC



Threaded F/F (ISO 228/1)
Valve for gas according to EN331, full bore
Chrome-plated ball, blow-out proof stem
PTFE Seats, FKM O-ring
Working conditions: -20°C to +60°C
Also available with locking device



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F340GM008.792	008 - 1/4"	125	15,6
F340GM010.792	010 - 3/8"	125	14,6
F340GM015.792	015 - 1/2"	80	16,5
F340GM020.792	020 - 3/4"	60	17,3
F340GM025.792	025 - 1"	40	18,1
F340GQ032.793	032 - 1 1/4"	25	16,3
F340GQ040.793	040 - 1 1/2"	16	18,8
F340GQ050.793	050 - 2"	8	12,7
Butterfly handle version			
F340GF008.874	008 - 1/4"		15,6
F340GF010.874	010 - 3/8"		14,6
F340GF015.874	015 - 1/2"		16,5
F340GF020.874	020 - 3/4"		17,3
F340GF025.874	025 - 1"		18,1
F340GF032.874	032 - 1 1/4"		16,3
F340GF040.871	040 - 1 1/2"		18,8
F340GF050.871	050 - 2"		12,7

343G

Brass ball valve for gas

PN25

euroGAS  CE EAC



Threaded M/F (ISO 7/1 Rc)
Valve for gas according to EN331, full bore
Chrome-plated ball, blow-out proof stem
PTFE Seats, FKM O-ring
Working conditions: -20°C to +60°C
Also available with locking device



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F343GM008.795	008 - 1/4"	125	15,6
F343GM010.795	010 - 3/8"	125	15,0
F343GM015.795	015 - 1/2"	90	19,1
F343GM020.795	020 - 3/4"	60	18,1
F343GM025.795	025 - 1"	35	17,2
F343GQ032.796	032 - 1 1/4"	25	18,9
F343GQ040.796	040 - 1 1/2"	12	13,2
F343GQ050.796	050 - 2"	8	13,7
Butterfly handle version			
F343GF008.872	008 - 1/4"	125	15,6
F343GF010.872	010 - 3/8"	125	15,0
F343GF015.872	015 - 1/2"	90	19,1
F343GF020.872	020 - 3/4"	60	18,1
F343GF025.872	025 - 1"	35	17,2
F343GF032.872	032 - 1 1/4"	25	18,9
F343GF040.873	040 - 1 1/2"	12	13,2
F343GF050.873	050 - 2"	8	13,7

390G

Ductile iron ball valve for gas

PN16

 CE EAC



Flanged ends (EN1092-2 PN16)
Lengths according EN558-1 series 14 (ex DIN3202 F4)
Handle in steel, chrome-plated brass ball
Valve for gas according to DVGW 3574-1
Working conditions: -20°C to +60°C
Versions with locking device, gearbox or actuator on request



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F3900I025.867	025 - 1"	1	3,2
F3900I032.867	032 - 1 1/4"	1	4,4
F3900I040.867	040 - 1 1/2"	1	5,5
F3900I050.867	050 - 2"	1	8,5
F3900I065.867	065 - 2 1/2"	1	11,5
F3900I080.867	080 - 3"	1	15,5
F3900I100.867	100 - 4"	1	20,0
F3900I125.867	125 - 5"	1	30,0
F3900I150.867	150 - 6"	1	36,0
F3900I200.867	200 - 8"	1	93,0

4321

Lug type ductile iron butterfly valve for gas

Flanges PN16

 CE EAC



Lug type (suitable for EN1092 PN16 flanges)
Body in GGG40, SS420 stainless steel stem
Disc in GGG40 RILSAN coated
NBR seats, NBR O-ring, PTFE bushings
Comply to UNI9245:1988/A1
Working conditions: -10°C to +90°C
Supplied with lockable lever (gear for DN≥250)



Vir Code	DN mm - inches	Pcs./box	Wgt. [Kg]
F4321L032.931	032 - 1 1/4"	1	1,4
F4321L040.931	040 - 1 1/2"	1	2,0
F4321L050.931	050 - 2"	1	3,0
F4321L065.931	065 - 2 1/2"	1	3,6
F4321L080.931	080 - 3"	1	4,0
F4321L100.931	100 - 4"	1	5,5
F4321L125.931	125 - 5"	1	7,5
F4321L150.931	150 - 6"	1	8,6
F4321L200.931	200 - 8"	1	12,7
F4321L250.931	250 - 10"	1	22,2
F4321L300.931	300 - 12"	1	30,8

POLYPROPYLENE INDEX

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ACCESSORIES AND SPARE PARTS p.143

Accessories and spare parts for polypropylene valves



POLYPROPYLENE

220

Polypropylene ball valve

PN16



Threaded F/F (ISO 228/1)
Glass reinforced polyamide PA6 handle
Ball and stem in brass
PTFE seats, NBR O-ring
Working conditions: Water, 0°C to +75°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F2200L008.247	008 - 1/4"	100	6,6
F2200L010.247	010 - 3/8"	100	6,4
F2200L015.247	015 - 1/2"	50	4,2
F2200L020.247	020 - 3/4"	40	5,0
F2200L025.247	025 - 1"	25	6,4
F2200L032.247	032 - 1 1/4"	15	5,8
F2200L040.247	040 - 1 1/2"	10	6,7
F2200L050.247	050 - 2"	6	6,1
Butterfly handle version			
F2200L008.246	008 - 1/4"	100	6,6
F2200L010.246	010 - 3/8"	100	6,4
F2200L015.246	015 - 1/2"	50	4,2
F2200L020.246	020 - 3/4"	40	5,0
F2200L025.246	025 - 1"	25	6,4
F2200L032.246	032 - 1 1/4"	15	5,8

NPT or ISO 7/1 Rp threads on request

228

Polypropylene copolymer ball valve

PN16



Threaded F/F (ISO 228/1)
Glass reinforced polyamide PA6 handle
Ball and stem in brass
PTFE seats, NBR O-ring
Working conditions: Water, -20°C to +75°C
Ice-damaging resistant



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
F2280N015.496	015 - 1/2"	50	4,3
F2280N020.496	020 - 3/4"	40	5,1
F2280N025.496	025 - 1"	25	5,7
Butterfly handle version			
F2280N015.499	015 - 1/2"	50	4,3
F2280N020.499	020 - 3/4"	40	5,1
F2280N025.499	025 - 1"	25	5,7

NPT or ISO 7/1 Rp threads on request

210

Polypropylene ball bib cock

PN16



Threaded M (ISO 228/1) + hose union
Ring, hose union, inlet thread and stem in brass
Chrome-plated ball
PTFE seats, NBR O-ring
Working conditions: Water, 0°C to +75°C



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Lever version, metallic hose union			
F2100L010.247	010 - 3/8"	50	7,2
F2100L015.247	015 - 1/2"	40	5,9
F2100L020.247	020 - 3/4"	25	6,2
F2100L025.247	025 - 1"	15	5,7
Butterfly version, metallic hose union			
F2100L010.246	010 - 3/8"	50	7,3
F2100L015.246	015 - 1/2"	40	6,0
F2100L020.246	020 - 3/4"	25	6,1
F2100L025.246	025 - 1"	15	5,9
Lever version, plastic hose union			
F2100L010.836	010 - 3/8"	50	6,5
F2100L015.2737	015 - 1/2"	40	6,9
F2100L020.2737	020 - 3/4"	25	6,6
Butterfly version, plastic hose union			
F2100L010.893	010 - 3/8"	50	6,6
F2100L015.2738	015 - 1/2"	40	6,7
F2100L020.2738	020 - 3/4"	25	6,6

218

Polypropylene copolymer ball bib cock

PN16



Threaded M (ISO 228/1) + hose union
Ring, hose union, inlet thread and stem in brass
Chrome-plated ball
PTFE seats, NBR O-ring
Working conditions: Water, -20°C to +75°C
Ice-damaging resistant



Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Lever version, metallic hose union			
F2180N015.528	015 - 1/2"	40	5,9
F2180N020.528	020 - 3/4"	25	6,1
F2180N025.528	025 - 1"	15	5,7
Butterfly version, metallic hose union			
F2180N015.668	015 - 1/2"	40	5,7
F2180N020.668	020 - 3/4"	25	5,9
F2180N025.668	025 - 1"	15	5,7
Lever version, plastic hose union			
F2180N015.2739	015 - 1/2"	40	5,0
F2180N020.2739	020 - 3/4"	25	6,3
Butterfly version, plastic hose union			
F2180N015.2740	015 - 1/2"	40	5,1
F2180N020.2740	020 - 3/4"	25	6,2

POLYPROPYLENE

500

Polypropylene random (PP-R80) ball valve

PN20



Solder ends (DIN 16962)
Glass reinforced polyamide PA6 handle
Ball and stem in brass
Available in different colors
PTFE seats, NBR O-ring
Working conditions: Water, 0°C to +75°C



Vir Code	DN mm	Pcs./box	Box [Kg]
F5000V020.400	020	16,32	6,2
F5000V025.400	025	19,38	3,4
F5000V032.400	032	21,53	2,9
F5000V040.400	040	47,15	3,5
F5000V050.400	050	67,57	3,4
F5000V063.400	063	104,17	4,7
F5000V075.400	075	164,58	5,6
F5000V090.400	090	221,67	5,0
Butterfly handle version			
F5000V020.400	020	16,32	6,2
F5000V025.400	025	19,38	3,4
F5000V032.400	032	21,53	2,9

500I

Polyp. random (PP-R80) under plaster ball val.

PN20



Solder ends (DIN 16962)
Chrome-plated triangular brass handle
Ball and stem in brass
PTFE seats, NBR O-ring
Available in different colors
Working conditions: Water, 0°C to +75°C



Vir Code	DN mm	Pcs./box	Box [Kg]
Fig. 500IM with triangular handle			
F5000V020.448	020	20	6,5
F5000V025.448	025	15	5,1
F5000V032.448	032	10	4,0
Fig. 500IS with cap and escutcheon			
F5000V020.428	020	20	5,4
F5000V025.428	025	15	4,2
F5000V032.428	032	10	3,4



ACCESSORIES AND SPARE PARTS

Accessories for polypropylene valves

Polyamide handle
Available for code: 210, 218, 220, 228 and 500

C



Polyamide stem extension with zinc plated steel rod
Available for code: 220, 228 and 500

Vir Code	DN mm - inches	Pcs./box	Box [Kg]
Red spare levers - Fig. 220 - 210			
KXM200008.599	Mis. 1	250	4,0
KXM200015.599	Mis. 2	150	2,4
KXM200025.599	Mis. 3	100	2,8
KXM200040.599	Mis. 4	50	2,4
Red spare levers - Fig. 500			
KXM200015.614	Mis. 1	150	2,4
KXM200025.614	Mis. 2	100	2,8
KXM200040.614	Mis. 3	50	2,4
KXM200065.614	Mis. 4	30	2,9
Blue spare levers - Fig. 228 - 218			
KXM200008.	Mis. 1	250	4,0
KXM200015.	Mis. 2	150	2,4
KXM200025.	Mis. 3	100	2,8
KXM200040.	Mis. 4	50	2,4
Red spare butterflies - Fig. 220 - 210			
KXF200008.669	Mis. 1	500	6,0
KXF200015.669	Mis. 2	500	3,8
KXF200025.669	Mis. 3	200	5,8
Blue spare butterflies - Fig. 228 - 218			
KXF200008.	Mis. 1	500	6,0
KXF200015.	Mis. 2	500	3,8
KXF200025.	Mis. 3	200	5,8
Stem extensions			
KPR500015.918	Mis. 2	250	7,8
KPR500025.918	Mis. 3	100	5,2
KPR500040.918	Mis. 4	100	4,9



	Fig.220/228	Fig.210/218	Fig.500
Mis.Mini	DN08/DN10	DN10/DN15	-
Mis.1	DN10/DN15	DN20/DN25	DN20/DN32
Mis.2	DN25/DN32	-	DN40/DN50
Mis.3	DN40/DN50	-	DN63/DN75
Mis.4	-	-	DN90

GENERAL TERMS AND CONDITIONS OF SALE

Art. 1 – GENERAL PROVISIONS

For every transaction concluded by VIR Valvoindustria Ing. Rizzio S.p.A., these General Conditions shall be valid and binding and shall apply to all offers, quotations and order confirmations issued between VIR Valvoindustria Ing. Rizzio S.p.A. and the Buyer, even in the absence of an express reference.

Any derogations from these General Conditions shall have no effect unless set forth in a written agreement signed by VIR Valvoindustria Ing. Rizzio S.p.A. and the Buyer.

By signing these General Conditions – and in any case by submitting orders and/or assignments to VIR Valvoindustria Ing. Rizzio S.p.A. – the Buyer expressly waives the application of its own general terms and conditions, which are fully replaced by these General Conditions.

The possible invalidity or ineffectiveness of one or more clauses of these General Conditions shall not affect the validity, effectiveness and enforceability of all other clauses.

Art. 2 – ORDER

The Buyer's order is accepted "SUBJECT TO SELLER'S APPROVAL" and is irrevocably granted for a period of one month from the date of signing of the order confirmation (Art. 1329 Italian Civil Code), as well as with a request for performance without prior reply (Art. 1327 Italian Civil Code).

Any sums paid as advance payments shall constitute a confirmatory deposit pursuant to Art. 1385 Italian Civil Code, without prejudice to the right of VIR Valvoindustria Ing. Rizzio S.p.A. to claim damages in the event of breach. Once the order has been sent, the Buyer loses the right of revocation.

Art. 3 – RETENTION OF TITLE

Retention of title over all materials subject to the order is expressly agreed until full payment of the agreed price.

Therefore, the Buyer shall acquire ownership only upon actual payment of the final installment of the price, i.e., upon full settlement of the purchase price, including any interest.

However, the Buyer shall bear the risks related to the supply from the moment VIR Valvoindustria Ing. Rizzio S.p.A. delivers the goods to the carrier and/or forwarder (Art. 1523 Italian Civil Code), even if the latter have been appointed and/or paid by VIR Valvoindustria Ing. Rizzio S.p.A. VIR Valvoindustria Ing. Rizzio S.p.A. shall in no case, even partially, be liable for loss or deterioration of the goods during transport, and in any event once they have left its premises. Until full payment of the price, the Buyer may neither sell nor pledge nor grant use of the goods, nor remove them from its stated premises without prior written consent and without immediate notification by registered letter.

In the event of delayed payment of even a single installment, VIR Valvoindustria Ing. Rizzio S.p.A. may, without any formal notice, including notice of default, repossess all goods subject to retention of title wherever located, without prejudice to any further remedies, including the right to retain any advance payments as a penalty.

In any case of violation of even one of the above clauses, the Buyer shall lose the benefit of deferred payment terms and shall immediately pay the remaining balance, without prejudice to compensation for greater damages.

Art. 4 – PAYMENTS

All payments must be made within the contractually agreed terms and methods and at the registered office of VIR Valvoindustria Ing. Rizzio S.p.A., by payments made out to VIR Valvoindustria Ing. Rizzio S.p.A.

Payments made differently from the agreed method, or to third parties or representatives not expressly authorized in writing to collect payments, shall not be considered valid or effective and shall not constitute performance, even partial.

VIR Valvoindustria Ing. Rizzio S.p.A. reserves the right to delay delivery if the Buyer is not fully compliant with payments, including

those relating to previous and/or different supplies.

Late payment shall oblige the Buyer to pay, in addition to the invoiced amount, default interest at the rate established by Article 5 of Legislative Decree No. 231/2002.

Interest shall accrue automatically, without formal notice of default, from the day following the invoice due date until actual payment.

The Buyer may not assert any claim, complaint or objection, whether by action or defense, against VIR Valvoindustria Ing. Rizzio S.p.A. unless all overdue invoices, interest and costs have first been paid.

Payments received shall always be allocated in the following order: recovery costs, accrued interest, and finally principal.

Art. 5 – TERMINATION OF THE CONTRACT

Failure by the Buyer to pay even one installment shall result in loss of the benefit of deferred payment and shall entitle VIR Valvoindustria Ing. Rizzio S.p.A. to demand immediate payment of the outstanding balance or to consider the contract terminated pursuant to Art. 1456 Italian Civil Code, and therefore request immediate return of the goods, including repossession pursuant to Art. 3 above.

Any amounts already paid shall be retained by VIR Valvoindustria Ing. Rizzio S.p.A. as compensation, without prejudice to the right to claim further damages.

Art. 6 – DELIVERY TIME

Delivery times shall be determined from time to time.

In any case, they are purely indicative, and any delay shall not give rise to claims for damages or contract termination, even partial.

In any case, VIR Valvoindustria Ing. Rizzio S.p.A. shall not be liable in cases of:

- Force majeure
- Delay in rail or other transport
- Requests for changes or corrections to the supply

Partial non-performance or late payment by the Buyer

If 30 days have elapsed and delivery cannot be carried out for reasons beyond the control of VIR Valvoindustria Ing. Rizzio S.p.A., the supply shall be deemed delivered and contractual payment terms shall apply.

Once the goods have been received without immediate verification of their condition and quantity, the Buyer may not submit subsequent claims.

Art. 7 – LIMITATION OF LIABILITY

VIR Valvoindustria Ing. Rizzio S.p.A. shall not be liable for any direct or indirect damages suffered by the Buyer or third parties arising from the supplied goods.

Art. 8 – CLAIMS

Any claims, except as otherwise provided above, must be submitted by registered letter within 10 days from receipt of the goods, specifying the reasons.

Claims relating to defects caused by transport, improper use, inadequate storage or maintenance, or incorrect installation are excluded.

Art. 9 – WARRANTY

All products are covered by a warranty of 12 months of operation, up to a maximum of 18 months from the invoice date, provided that any defect is reported by registered letter within 10 days of occurrence.

Any return of products must be agreed in advance in writing between VIR Valvoindustria Ing. Rizzio S.p.A. and the Buyer.

Returned goods will be examined to verify the defect and whether

it is attributable to the Seller.

Any other warranty, including statutory warranties, is excluded and superseded by these General Conditions.

In particular, any right of recourse against VIR Valvoindustria Ing. Rizzio S.p.A. for warranties granted by the Buyer to third parties is excluded.

Art. 10 – AMENDMENTS AND ADDITIONS

Any amendment or addition must be made in writing and signed by both VIR Valvoindustria Ing. Rizzio S.p.A. and the Buyer, otherwise it shall be null and void.

Art. 11 – APPLICABLE LAW – JURISDICTION – GOVERNING LANGUAGE

The contractual relationship shall be governed by Italian law and interpreted accordingly.

Any dispute shall be subject exclusively to Italian jurisdiction, with exclusive venue in the Court of Vercelli, expressly derogating from Articles 18 et seq. Italian Code of Civil Procedure.

The Italian language shall govern the interpretation, execution and termination of these General Conditions.

Art. 12 – FORCE MAJEURE

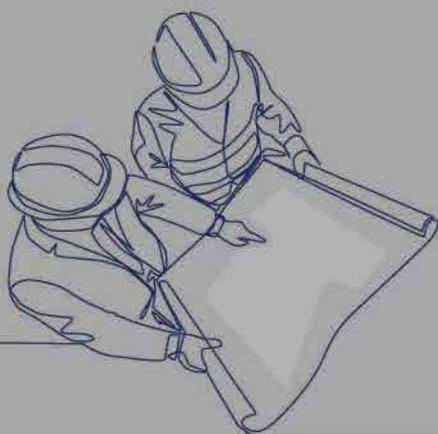
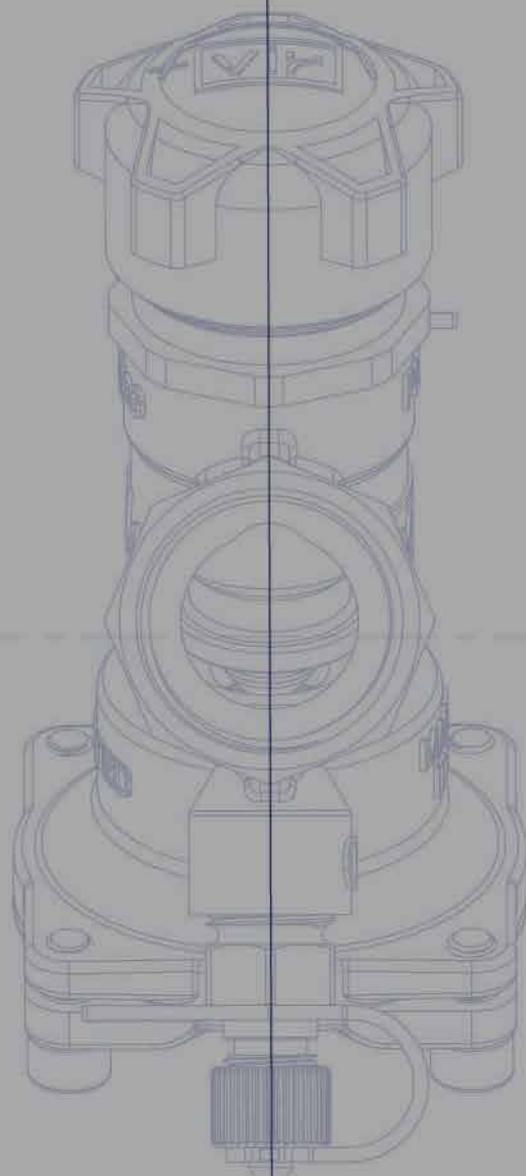
The Seller shall not be liable for any failure to perform, including delay or non-delivery, caused by events beyond reasonable control ("force majeure"), including delays or non-delivery of raw materials, increases in raw material or component prices exceeding 5%, transport disruptions, strikes, lockdowns, pandemics, epidemics, labor disputes, fires, accidents, earthquakes, riots, war, embargoes, or government actions.

The affected party shall notify the other party, and the parties shall negotiate new delivery terms and/or pricing. Obligations may be suspended for up to two months, after which either party may terminate the contract.

Art. 13 – CONFIDENTIALITY, SELLER'S TRADEMARKS, SOFTWARE AND INDUSTRIAL PROPERTY RIGHTS

The Buyer may use the Seller's name, trademarks, designs and industrial property rights solely for product use, unless otherwise authorized in writing.

All know-how, models, drawings and confidential information remain the Seller's property and may not be disclosed without prior written consent.



Valvoindustria Ing. Rizzio S.p.A.
Via Circonvallazione 10
13018 Valduggia (VC)
Tel. +39 0163 47891
sales@vironline.com
www.vironline.com