MOERIS

Pressure Independent Control Valves



- I-FLOW's Pressure Independent Control Valve (PICV) offers precise flow control for optimizing environmental comfort in variable capacity heating and chilled water systems.
- Our PICVs, tested to BSRIA standards, guarantee linear performance with high-quality materials, ensuring optimal control valve authority. Enjoy flexibility with various actuator options, measuring points, and a wide range of differential pressures and flow rates.
- Our products are designed to help you create, implement, and maintain a system that minimizes performance gaps, leading to energy and cost savings throughout its lifecycle.

I-FLOW PICV Benefits



- Continual Balancing function maintains system performance even at varying loads.
- Pressure Regulator eliminates over-pumping providing favorable energy savings.
- IFLOW valves prevent energizing additional chillers by maintaining desired Delta T.
- IFLOW valves improve system operation reducing equipment requirement.

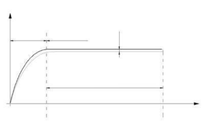
Supply Range

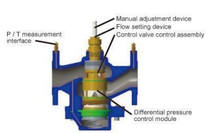




MODEL	SIZE INCH	SIZE DN	PN	Connections	ΔP Range (Kpa)	Kv (m³/h)	Stroke (mm)	Material
BAV9QT.DT0000.0015	1/2"	15	25	Thread	30-600	2.4	4-5	DZR Brass
BAV9QT.DT0000.0020	3/4"	20	25	Thread	30-600	3.2	4-5	DZR Brass
BAV9QT.DT0000.0025	1"	25	25	Thread	30-600	4.5	4-5	DZR Brass
BAV9QT.DT0000.0032	1 1/4"	32	25	Thread	30-400	3.6	5.5	DZR Brass
BAV9QT.DTO0000.0040	1 1/2"	40	25	Thread	30-400	7.5	10	Stainless Steel
BAV9QT.DTO0000.0050	2"	50	25	Thread	30-400	10	15	Stainless Steel
BAV9QT.DF0000.0065	2 1/2"	65	16	Flanged	30-400	23	20	Cast Iron
BAV9QT.DF0000.0080	3"	80	16	Flanged	30-400	33	20	Cast Iron
BAV9QT.DF0000.0100	4"	100	16	Flanged	30-400	60	40	Cast Iron
BAV9QT.DF0000.0125	5"	125	16	Flanged	30-400	72	40	Cast Iron
BAV9QT.DF0000.0150	6"	150	16	Flanged	30-400	125	40	Cast Iron







Actuators







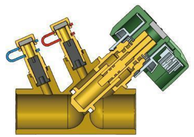




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Balancing Valve

- The static balance valve has a dual cone construction that limits the maximum stroke of the cone and thus limits the flow rate at the same time, it also has the shut-off function. The static balance valve is equipped with a flow measurement connector and a differential pressure valve pulse tube interface.



PART NAME	MATERIAL
Body	Brass
Catridge Seat	Brass
Bonnet	Brass
Spring	SS304
Handwheel	Plastic
Measurement Point	Brass

DN	H	L	L1
15	1/2"	90	87
20	3/4"	97	87

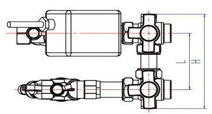


FCU VALVE KIT Overviews

- FCU Hook-up Valve kit is a pre-assembled compact FCU valve package which saves installation time and labor. This pre assembled FCU hook-ups are factory tested and ready to install. The FCU hook-up coupled with PICV is a perfect choice for your balancing solution.
- Hook-ups are factory assembled arrangement of ball valves, strainer with drain facility, flexible hoses, insulation box, and pressure test points.

Product parameters

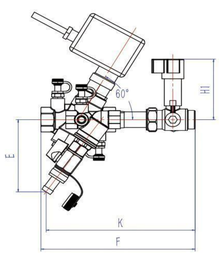
- Specification: DN15-DN25
- Working temperature: -20 to 120°C
- Pressure rating: PN25
- Working medium: Suitable for water and other liquids, so that the material is not susceptible to corrosion
- Connection method: Thread
- Connection standard: Internal thread/External thread BSP (ISO7/1) PN25











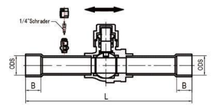
Material

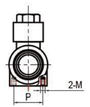
- Relief Valve: CW602N
- Strainer: CW602N
- Connect nut: CW602N
- Seal material: CW602N
- Plug: CW602N
- Three-way ball valve: CW602N

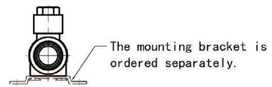
MODEL	DN	DIMENSION(MM)					
		L	H	E	F	K	H1
FLT-MCU01525015-ZZ	15	60(min)	114(min)	102.5	194.2	112.5	86
FLT-MCU02025020-ZZ	20	70(min)	127(min)	102.5	195.4	113	89
FLT-MCU02525025-ZZ	25	80(min)	153(min)	106.2	211.6	127.4	93

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Refrigeration Piping System Parts-Bidirectional Brazed Ball Valve







Model	ODS	B	L mm	P mm	M
SBVO01H	1/4"	10	112	15	M4
SBVO02H	3/8"	10	126	15	M4
SBVO03H	Ø12	10	128	15	M4
SBVC04H	1/2"	10	128	15	M4
SBVC05H	5/8"	12	150	19	M4
SBVC06H	Ø16	12	164	19	M4
SBVOO7H	3/4"	15	164	22	M5
SBVO08H	7/8"	20	190	24	M5
SBV010H	1-1/8"	20	209	32	M5
SBVO11H	1-3/8"	25	264	36	M6
SBV012H	Ø42	25	279	44	M8
SBVO13H	1-5/8"	25	279	44	M8
SBVO14H	2-1/8"	30	320	54	M8
SBV015H	2-5/8"	35	377	65	M8
SBVO16H	3-1/8"	40	410	88	M10
SBV017H	4-1/8"	40	450	92	M10





WRAS Certified Valves



Description	Material	Approval	Size	Weight(g)
DZR Y-Strainer PN20	body & cap are DZR(CZ132) material, SS304 screen	WRAS	1/2"	162
			3/4"	274
			1"	371
			1 1/4"	623
			1 1/2"	789
			2"	1216



Description	Material	Approval	Size	Weight(g)
DZR Brass Swing Check Valve PN20, Rubber Seat	body & bonnet, disc are DZR(CZ132) material	WRAS	1/2"	181
			3/4"	230
			1"	391
			1 1/4"	542
			1 1/2"	794
			2"	1225



Description	Material	Approval	Size	Weight(g)
DZR Ball Valve PN25	body & bonnet, ball are DZR(CZ132) material	WRAS, WATERMARK AGA.	1/2"	212
			3/4"	322
			1"	468
			1 1/4"	760
			1 1/2"	1060
			2"	1735



Description	Material	Approval	Size	Weight(g)
Metering Station	DZR(CZ132) material	WRAS	1/2"	230
			3/4"	270
			1"	320
			1 1/4"	470
			1 1/2"	530
			2"	810



Description	Material	Approval	Size	Weight(g)
long handle PN25	body & bonnet, ball are DZR(CZ132) material	WRAS, WATERMARK AGA.	1/2"	284
			3/4"	443
			1"	571
			1 1/4"	846
			1 1/2"	1061
			2"	1836



Description	Material	Approval	Size	Weight(g)
Bronze DRV	bronze body, DZR bonnet	WRAS	1/2"	563
			3/4"	614
			1"	725
			1 1/4"	1097
			1 1/2"	1624
			2"	2090

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More HVAC Valves



Metering Station-Wafer-PN16&PN25 125#

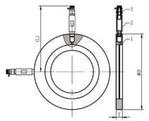
Supply Range

Nominal Diameter: DN50-DN600/2"-24.
Nominal Pressure: PN16/PN25/Class125.
Flanged End Standard: EN1092-1/ANSI B16.5.
Working Temperature: -20°C-120°C.

Design according to BS7350.
Tolerance on nominal Kvs ±5% (test according to BS7350) .



Working Conditions.
Water: -10°C to +130°C .
Below 0°C only for water with added antifreezing fluids over 100°C only for water with added anti-boiling fluids.



Part Name	Material	Amount
Body	SS304	1
Extension rod	SS304	2
Test Point	DZR Brass	2

Dimensions:

SIZE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
L	135.5	145	152.5	163.3	178.3	191.5	218.8	246.5	274	304	329	359	390	448.5
ΦD	108	127	142	163.5	193.5	220	274.5	330	385	445	495	555	617	734
T	20	20	20	20	20	20	20	20	20	20	20	30	30	30

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Flow Control Valves With WRAS Approval





WRAS
WATER REGULATIONS APPROVAL SCHEME

WRAS PRODUCT APPROVAL CERTIFICATE

Approval Number
2304374

Field of application	Products complying with the Water Supply (Water Fittings) Regulations 1999 (England & Wales), the Water Supply (Water Fittings) (Scotland) Byelaws 2014 and the Water Supply (Water Fittings) Regulations (Northern Ireland) 2009.
Approval holder	QINGDAO I-FLOW CO., LTD
WRAS directory section	2205
Product type	Pressure reducing pilot valve
Model	IF-200X
Basis of compliance	Regulator Specifications (TCS) / BS Standard
Valid from	November 2024
Date of expiry	November 2029
Authorised by	Ian Hughes, WRAS Approvals Manager

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory

WRAS APPROVED PRODUCT

Certificate issued: 11th November 2024

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HVAC VALVES

Data Center Valve Solutions