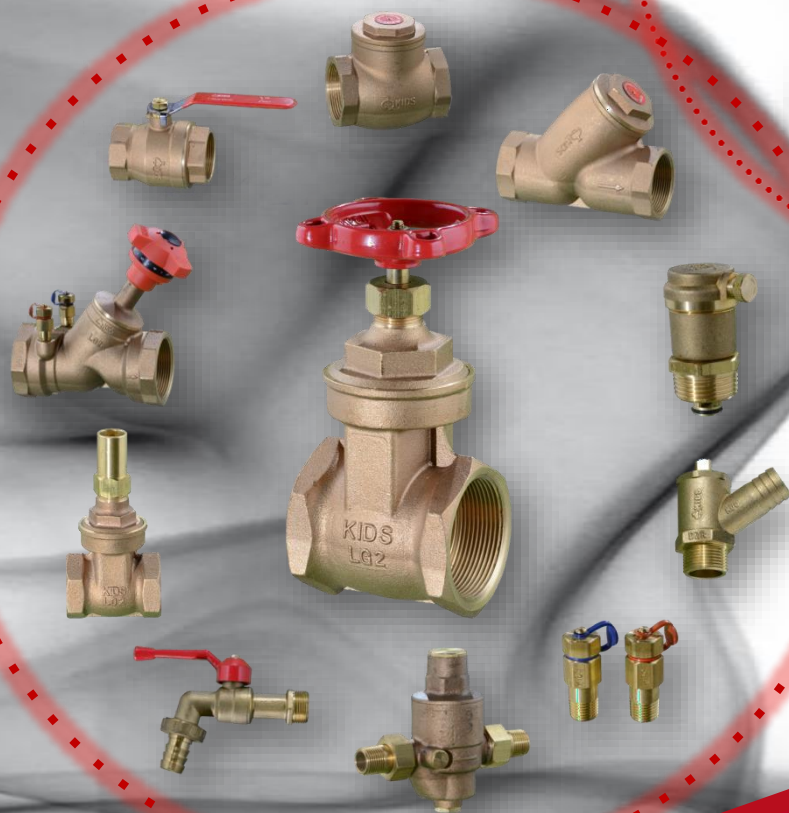


KIDS COMPANY PROFILE

High Quality Product
Valves, PICVs, Strainers,
Flexible Connectors and Pipe
Accessories



**Specialist In Chilled Water and Water
Systems Valves & Accessories**

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Established in 2007, **KIDS** is synonymous with quality, reliability and service to the highest standard; specializing in valves and pipe fittings for water systems, namely by chilled & potable water systems.

Flagship products include a full range of commissioning valves suitable for static and dynamic flow systems.

Our range of valves and accessories are available from DN15 to DN2000 (depending on valve type and application). The material of construction for the products range from ductile iron, carbon steel, stainless steel, bronze, DZR Brass, with a variety of alloys for different trims and pressure classifications, to suit a wide range of applications.

KIDS products are engineered and manufactured to stringent internationally approved and recognized accreditations. All valves are manufactured in accordance to the relevant British and Europe Standards. **KIDS** also provides valves suitable for potable water approved by WRAS (UK).

Quality control and inspections at all the stages of manufacturing ensure that **KIDS** products are manufactured to the relevant standards and to assure their suitability for use with the intended application.

Our priority and emphasis is on quality and efficiency of our products. To this end all our products undergo individual and rigorous testing in accordance with its relevant product standard.



PRESSURE INDEPENDENT CONTROL VALVES - PICV

Pressure Independent Control Valve

The KIDS Pressure Independent Control Valve (PICV) is a combination of constant flow limiter and full stroke, full authority linear / equal percentage temperature control valve. KIDS PICVs are suitable to use in variable and constant temperature systems.

Operating principles

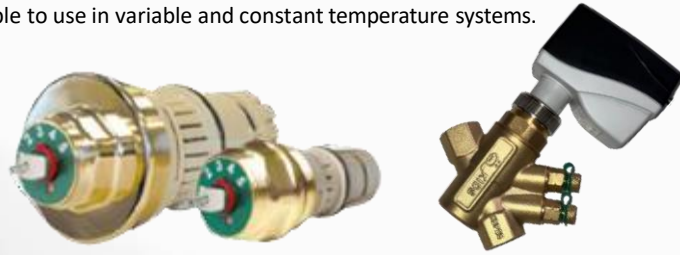
KIDS PICV is made up of three main parts:

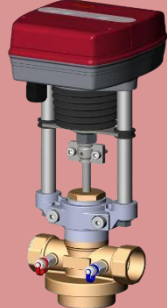
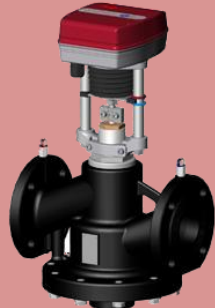
1. Differential pressure regulator
2. Regulating valve for flow adjustment
3. Flow pre-setting knob

Differential pressure regulator

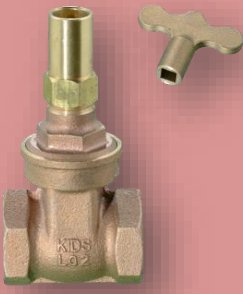
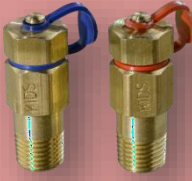
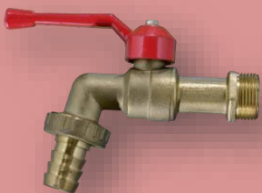
The differential pressure regulator is the heart of the pressure independent control valve. By keeping a constant differential pressure across the valve seats constant flow and full authority temperature control can be achieved.

Incoming pressure is transmitted to the top face of the diaphragm, outgoing pressure is transmitted to the underside of this same diaphragm. A constant effective differential pressure is maintained. As the incoming pressure increases relative to outgoing pressure it acts on the diaphragm closing the shutter against a seat thereby lowering the effective differential pressure. As the incoming pressure decreases relative to outgoing pressure the diaphragm acts to open the shutter from the seat thus increasing the effective differential pressure. The diaphragm acts against a spring in order to balance the pressure control and stop the diaphragm oscillating.

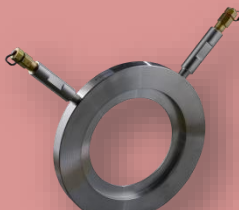


			
FIG. KFCUL25 PN25 FCU VALVE KIT WITH PICV BRASS	FIG. KBP25 PN25 PRESSURE INDEPENDENT CONTROL VALVE BRASS	FIG. KBP16 PN16 PRESSURE INDEPENDENT CONTROL VALVE BRASS	FIG. KIP16 PN16 PRESSURE INDEPENDENT CONTROL VALVE DUCTILE IRON
PN Rating: PN25 Temp. Range: 0°C to 100°C Size DN15 TO DN25	PN Rating: PN25 Temp. Range: 0°C to 120°C Size DN15 TO DN25 ISO7-1 Threaded Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN32 TO DN50 ISO7-1 Threaded Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN300 ISO7005-2 Flanged Ends
			
THERMAL ACTUATOR ON / OFF TYPE 230V AC, 50Hz IP54	THERMAL ACTUATOR MODULATING TYPE 24V AC/DC, 50Hz, IP54 0-10V DC CONTROL SIGNAL	MOTOR DRIVEN ACTUATOR STANDARD MODULATING TYPE 24V AC/DC, 50/60Hz, IP54 0(2)-10V DC CONTROL SIGNAL	MOTOR DRIVEN ACTUATOR MODULATING TYPE 24V AC/DC, 50Hz, IP54 0-10V DC CONTROL SIGNAL
Stroke Size: 5mm Torque: 100N Average Actuation: 30s/mm Type: Normally Close	Stroke Size: 5mm Torque: 100N Average Actuation: 30s/mm Type: Normally Close	Stroke: 5.8mm Actuating Force: 160N -10N/+70N Operation Time: 22s/mm Type: Electrical, Bi-directional synchronous motor	Stroke Size: 30mm / 50mm Torque: 500N/1000N/3000N Average Actuation: 1s/mm LED indicator, Feedback Signal

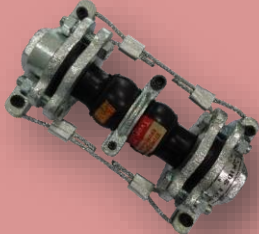
BRONZE AND BRASS VALVES

			
FIG. KBG20 PN20 GATE VALVE BRONZE	FIG. KBG20LS PN20 GATE VALVE BRONZE	FIG. KBL25 PN25 FULL PORT BALL VALVE BRONZE	FIG. KFDRV25 PN25 BRONZE FIXED ORIFICE DOUBLE REGULATING VALVE
PN Rating: PN20 Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	PN Rating: PN20 Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	PN Rating: PN25 Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	PN Rating: PN25 Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends
			
FIG. KBCK20 PN20 SWING CHECK VALVE BRONZE	FIG. KBS25 PN25 'Y' PATTERN STRAINER BRONZE	FIG. KBS20 PN20 'Y' PATTERN STRAINER BRONZE	FIG. KBPRV20 PN20 PRESSURE REDUCING VALVE - BRONZE
PN Rating: PN20 Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	PN Rating: PN25 Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	PN Rating: PN20 Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	PN Rating: PN20 Temp. Range: 0°C to 70°C Size ½" to 2" BS21 Threaded Ends
			
FIG. KDC PN16 DRAIN COCK DZR BRASS	FIG. KAV PN10 AUTOMATIC AIR VENT BRASS	FIG. KTP PN25 P/T TEST POINTS DZR BRASS	FIG. KHB PN10 HOSE BIB TAP BRASS
PN Rating: PN16 Temp. Range: 0°C to 100°C Size ½" to 1" BS21 Threaded Ends	PN Rating: PN16 Temp. Range: 0°C to 100°C Size ½" to 1" BS21 Threaded Ends	PN Rating: PN25 Temp. Range: 0°C to 100°C Size ½" (8mm) BS21 Threaded Ends	PN Rating: PN10 Temp. Range: 0°C to 70°C Size ½" to 1" BS21 Threaded Ends

CAST & DUCTILE IRON VALVES

			
FIG. KIG16 PN16 GATE VALVE – METAL SEAT DUCTILE IRON	FIG. KIRIG16 PN16 GATE VALVE – RESILIENT SEAT DUCTILE IRON	FIG. KIG16RS PN16 GATE VALVE – OS&Y DUCTILE IRON	FIG. KIDRV16FO PN16 DUCTILE IRON FIXED ORIFICE DOUBLE REGULATING VALVE
PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN300 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN300 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN300 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN300 BS EN1092-2 PN16 Flanged Ends
			
FIG. KBFV16L PN16 FULLY LUG BUTTERFLY VALVE DUCTILE IRON	FIG. KBFV16LG PN16 FULLY LUG BUTTERFLY VALVE DUCTILE IRON	FIG. KBFV16W PN16 SEMI LUG BUTTERFLY VALVE DUCTILE IRON	FIG. KBFV16WG PN16 SEMI LUG BUTTERFLY VALVE DUCTILE IRON
PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN200 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN250 TO DN600 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN200 TO SUITE BS EN1092-2 FLANGES	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN250 TO DN600 TO SUITE BS EN1092-2 FLANGES
			
FIG. KIDDCK16 PN16 WAFER CHECK VALVE-NRV DUCTILE IRON	FIG. KISCK16 PN16 SWING CHECK VALVE-NRV DUCTILE IRON	FIG. KIS16 PN16 'Y' PATTERN STRAINER DUCTILE IRON	FIG. KSSM16 PN16 METERING STATION STAINLESS STEEL
PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN600 TO SUITE BS EN1092-2 FLANGES	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN300 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN600 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN600 TO SUITE BS EN1092-2 FLANGES

RUBBER FLEXIBLE CONNECTORS

			
FIG. KUC16 PN16 FLEXIBLE CONNECTOR TWIN SPHERE RUBBER (EPDM)	FIG. KUC25LW FLEXIBLE CONNECTOR TWIN SPHERE RUBBER (EPDM)	FIG. KFC16 PN16 FLEXIBLE CONNECTOR SINGLE SPHERE RUBBER (EPDM)	FIG. KFC16CR PN16 FLEXIBLE CONNECTOR SINGLE SPHERE RUBBER (EPDM)
PN Rating: PN16 Temp. Range: 0°C to 120°C Size ½" to 2" BS21 Union Threaded Ends	PN Rating: PN25 Temp. Range: 0°C to 120°C Size ½" to 2" BS21 Union Threaded Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN600 BS EN1092-2 PN16 Flanged Ends	PN Rating: PN16 Temp. Range: 0°C to 120°C Size DN65 TO DN600 BS EN1092-2 PN16 Flanged Ends

PUBLIC HEALTH RANGE (WRAS)

			
FIG. KBG20 PN20 GATE VALVE BRONZE	FIG. KBG20LS PN20 GATE VALVE BRONZE	FIG. KBL25 PN25 FULL PORT BALL VALVE BRONZE	FIG. KFDRV25 PN25 BRONZE FIXED ORIFICE DOUBLE REGULATING VALVE
Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends
			
FIG. KBG20 PN20 GATE VALVE BRONZE	FIG. KBFVWR16 PN16 SEMI LUG BUTTERFLY VALVE DUCTILE IRON	FIG. KBL25 PN25 FULL PORT BALL VALVE BRONZE	FIG. KFDRV25 PN25 BRONZE FIXED ORIFICE DOUBLE REGULATING VALVE
Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	Temp. Range: 0°C to 120°C Size DN65 TO DN200 TO SUITE BS EN1092-2 FLANGES	Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends	Temp. Range: 0°C to 100°C Size ½" to 2" BS21 Threaded Ends



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