PRODUCT PROFILE

High Quality Product

Valves, PICVs, Strainers, Flexible Connectors and Pipe Accessories







Specialist In Chilled Water and Water Systems Valves & Accessories

KIDS

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DIMITTO CERTIFICATO N° 1471 ISO 9001 | BREDA RTMBREDA | WRAS APPROVED PRODUCT | ICIM | QKIDS

About KIDS

KIDS Established in 2007 as well established manufacturer of valves and pipe fittings for applications in building services and industries related to chilled water systems, potable water, other water distribution systems and crude oil, ...etc.



The **KIDS** Brand is synonymous with quality, reliability and service to the highest standard, and has industry experiences in many sectors including heating and ventilation, chemicals, and water system.

KIDS can supply a skillfully engineered solutions for every application. Flagship products include a full range of commissioning valves suitable for static and dynamic flow systems.

QUALITY ASSURANCE

Quality control and inspections at all the stages of manufacture to ensure that **KIDS PA's** Products are manufactured with the related standards and to assure their suitability to use for the intended application and will provide the best reliable service.

All **KIDS** Products are manufactured under **ISO9001:2015** Certificate. In addition, the products has been certified and/or listed by third party organizations such as ***ICIM-Italy***, ***RTM Breda – Italy***, and **Water Regulations Advisory Scheme (*WRAS*) in *United Kingdom***.

Our range of valves and accessories are available from **DN15 to DN2000** (depends on valve type and application), the material of construction for the products are in cast iron, ductile iron, carbon steel, stainless steel, bronze, DZR Brass, Brass....., etc., in a variety of alloys, trims, configuration, pressure classifications (**PN16, PN20, and PN25**), other higher pressure rating are available upon request.

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 (BS and EN)**. KIDS is also provide specific rang of valves for public health usage, these products are certified by **WRAS-UK** and **RTM Breda-Italy**.

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.

All products are subject to random test at the manufacturer's facilities in Italy and worldwide in accordance with **EN12266-1** prior to dispatch.

DIMITTO CERTIFICATO N° 1471 ISO 9001 · BREDA RTM BREDA · WRAS APPROVED PRODUCT · ICIM

KIDS

PRESSURE INDEPENDENT CONTROL VALVES - PICV

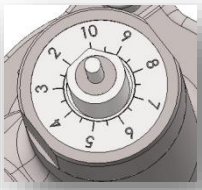
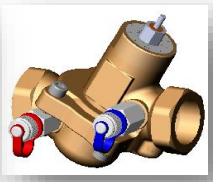
Pressure Independent Control Valve

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. KBP25 PN25
PRESSURE INDEPENDENT CONTROL VALVE
BRASS

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN15 TO DN25
ISO7-1 Threased Ends



FIG. KBP16 PN16
PRESSURE INDEPENDENT CONTROL VALVE
BRASS

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN32 TO DN50
ISO7-1 Threased Ends



FIG. KIP16 PN16
PRESSURE INDEPENDENT CONTROL VALVE
DUCTILE IRON

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

Stroke Size: 5mm
Torque: 100N
Average Actuation: 30s/mm
Type: Normally Close



THERMAL 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



MOTOR DRIVE ACTUATOR
ON/OFF TYPE
230V AC, 50Hz
IP54

Stroke Size: 8.5mm
Torque: 100N/200N
Average Actuation: 30s/mm
LED Indicator



MOTOR DRIVE ACTUATOR
MODULATING TYPE
24V AC/DC, 50Hz, IP54
0-10V DC CONTROL SIGNAL

Stroke Size: 8.5mm
Torque: 100N / 200N
Average Actuation: 30s/mm
LED Indicator with Display



MOTOR DRIVE ACTUATOR
MODULATING TYPE
24V AC/DC, 50Hz, IP54
0-10V DC CONTROL SIGNAL

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

PN Rating: PN20
Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBG20LS PN20
GATE VALVE
BRONZE

PN Rating: PN20
Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBL25 PN25
FULL PORT BALL VALVE
BRONZE

PN Rating: PN25
Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KFDRV25 PN25
BRONZE FIXED ORIFICE
DOUBLE REGULATING VALVE

PN Rating: PN25
Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBCK20 PN20
SWING CHECK VALVE
BRONZE

PN Rating: PN20
Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBS25 PN25
'Y' PATTERN STRAINER
BRONZE

PN Rating: PN25
Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBS20 PN20
'Y' PATTERN STRAINER
BRONZE

PN Rating: PN20
Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBPRV20 PN20
PRESSURE REDUCING
VALVE - BRONZE

PN Rating: PN20
Temp. Range: 0°C to 70°C
Size ½" to 2"
BS21 Threaded Ends

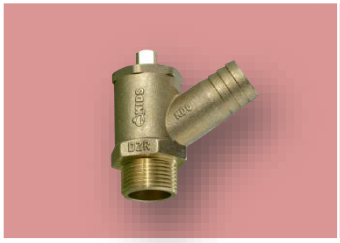


FIG. KDC PN16
DRAIN COCK
DZR BRASS

PN Rating: PN16
Temp. Range: 0°C to 100°C
Size ½" to 1"
BS21 Threaded Ends



FIG. KAV PN10
AUTOMATIC AIR VENT
BRASS

PN Rating: PN16
Temp. Range: 0°C to 100°C
Size ½" to 1"
BS21 Threaded Ends



FIG. KTP PN25
P/T TEST POINTS
DZR BRASS

PN Rating: PN25
Temp. Range: 0°C to 100°C
Size ¼" (8mm)
BS21 Threaded Ends

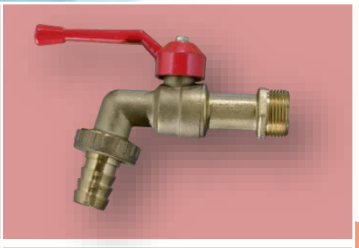


FIG. KHB PN10
HOSE BIB TAP
BRASS

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
CAST IRON

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN300
BS EN1092-2 PN16 Flanged Ends



FIG. KIRIG16 PN16
GATE VALVE – RESILIENT SEAT
DUCTILE IRON

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN300
BS EN1092-2 PN16 Flanged Ends



FIG. KIG16RS PN16
GATE VALVE – OS&Y
CAST IRON

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN300
BS EN1092-2 PN16 Flanged Ends



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



FIG. KBFV16L PN16
FULLY 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



FIG. KBFV16LG PN16
FULLY LUG BUTTERFLY VALVE
DUCTILE IRON

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN250 TO DN600
BS EN1092-2 PN16 Flanged Ends



FIG. KBFV16W PN16
SEMI LUG BUTTERFLY VALVE
DUCTILE IRON

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN200
TO SUITE BS EN1092-2 FLANGES

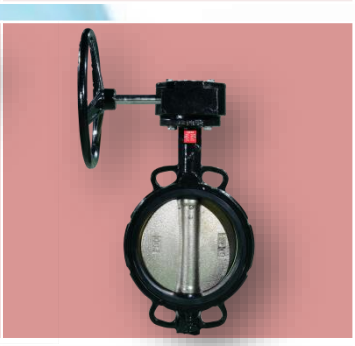


FIG. KBFV16WG PN16
SEMI LUG BUTTERFLY VALVE
DUCTILE IRON

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

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN600
TO SUITE BS EN1092-2 FLANGES



FIG. KISCK16 PN16
SWING CHECK VALVE-NRV
DUCTILE IRON

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN300
BS EN1092-2 PN16 Flanged Ends



FIG. KIS16 PN16
'Y' PATTERN STRAINER
CAST IRON

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN600
BS EN1092-2 PN16 Flanged Ends

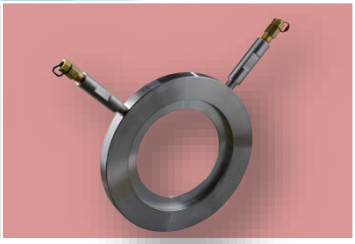


FIG. KSSM16 PN16
METERING STATION
STAINLESS STEEL

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN600
TO SUITE BS EN1092-2 FLANGES

RUBBER FLEXIBLE CONNECTORS

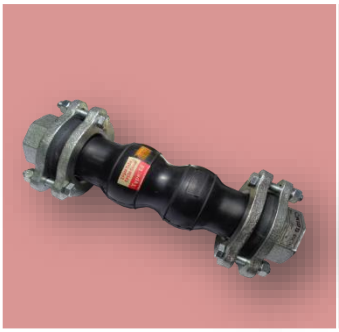


FIG. KUC16 PN16
FLEXIBLE CONNECTOR
TWIN SPHERE RUBBER (EPDM)

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size ½" to 2"
BS21 Union Threaded Ends

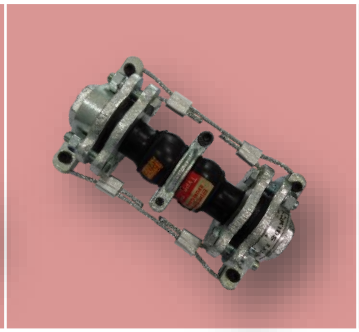


FIG. KUC25LW
FLEXIBLE CONNECTOR
TWIN SPHERE RUBBER (EPDM)

PN Rating: PN25
Temp. Range: 0°C to 120°C
Size ½" to 2"
BS21 Union Threaded Ends

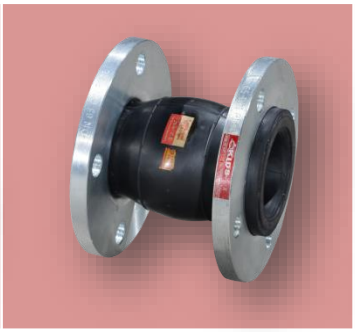


FIG. KFC16 PN16
FLEXIBLE CONNECTOR
SINGLE SPHERE RUBBER (EPDM)

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN600
BS EN1092-2 PN16 Flanged Ends



FIG. KFC16CR PN16
FLEXIBLE CONNECTOR
SINGLE SPHERE RUBBER (EPDM)

PN Rating: PN16
Temp. Range: 0°C to 120°C
Size DN65 TO DN600
BS EN1092-2 PN16 Flanged Ends

PUBLIC HEALTH RANGE *(WRAS / RTM Breda Certified Products)*



FIG. KBG20 PN20
GATE VALVE
BRONZE

Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBG20LS PN20
GATE VALVE
BRONZE

Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBL25 PN25
FULL PORT BALL VALVE
BRONZE

Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KFDRV25 PN25
BRONZE FIXED ORIFICE DOUBLE REGULATING VALVE

Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBG20 PN20
GATE VALVE
BRONZE

Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KBFV16W PN16
SEMI LUG BUTTERFLY VALVE
DUCTILE IRON

Temp. Range: 0°C to 120°C
Size DN65 TO DN200
TO SUITE BS EN1092-2 FLANGES



FIG. KBL25 PN25
FULL PORT BALL VALVE
BRONZE

Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends



FIG. KFDRV25 PN25
BRONZE FIXED ORIFICE DOUBLE REGULATING VALVE

Temp. Range: 0°C to 100°C
Size ½" to 2"
BS21 Threaded Ends

Product Certificates



ISO 9001:2015 Certificate



WRAS Certificate Fig. KFDRV25



WRAS Certificate Fig. KBCK20



WRAS Certificate Fig. KBG20



WRAS Certificate Fig. KBL25



WRAS Certificate Fig. KBS20

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