

DIAPHRAGM CONTROL VALVES

Technical Specifications

DESIGN	: Complies to BS:5156
VALVE SIZE	: 15mm to 200mm (1/2" to 8")
BODY TYPE	: Weir
RATING	: 125 ANSI
FLOW CHAR	: On/Off / Throttling
SEAT LEAKAGE	: II to VI (FCI – 70.2)
BODY MATERIAL	: Cast Iron, Carbon Steel (other on request)
LINING MATERIAL	: Ebonite, Neoprene, Teflon, EPDM, FRP, Glass etc
LINING THICKNESS (Elastomer)	: 15 to 65mm Valve – 3mm : 80 & 100mm Valve – 3.5mm : 200mm Valve – 5mm : PFA Lining – 3mm : Glass Lining – 1.5mm
BODY DIAPHRAGM	: Neoprene, Teflon Backed with Neoprene, Butyl, Nitrile, Hypalon, Viton, EPDM
ACTUATOR	: Diaphragm, Piston or Electrical
ACTUATOR ACTION	: Direct / Reverse acting



FLUSH BOTTOM VALVES



Technical Specifications

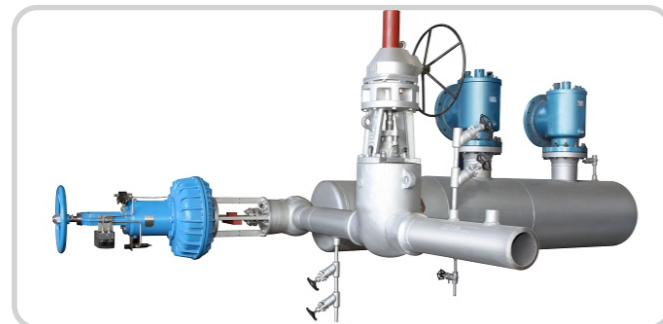
DESIGN	: Complies to Excel Specifications
VALVE SIZE	: 25 to 200mm (1" to 8")
RATING	: 150/300 ANSI

DESUPERHEATER

- The evolutionary series 800 Desuperheater i.e. Varitol variable spray nozzles unit can be used in many applications to efficiently reduce the superheated steam or other vapours to temperature approaching saturation.
- The superheated vapour is passed through a section of pipe into which is fitted a spray nozzle that produces dispersed droplets from a supply of pressurized condensate.
- These finely atomized particles promote almost immediate evaporation. The required heat being absorbed from the superheated vapour, thus reduces the temperature.

Technical Specifications

DESIGN	: ASME B16.34
VALVE SIZE	: 1.1/2" & 2"
RATING	: 150 to 1500 ANSI
NOZZLE SIZE	: Cv – 0.25 to 9.00
RANGEABILITY	: Maximum 45 to 1
VALVE TRAVEL	: 38MM



Our Range



- Gate Valves
- Globe Valves
- Ball Valves
- Bellow Sealed Valves
- Non Return Valves
- Butterfly Valves
- Forged Valves
- Disc Check Valves
- Y Type Strainers
- Ball Type Flush Bottom Valves
- Automation Valves
- Safety Valves
- Steam Traps Accessories



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CONTROL VALVES

- GLOBE 2 WAY CONTROL VALVES
- GLOBE 3 WAY CONTROL VALVES
- PRESSURE REGULATING VALVES
- BUTTERFLY CONTROL VALVES
- V-NOTCH BALL CONTROL VALVES
- DIAPHRAGM CONTROL VALVES
- FLUSH BOTTOM VALVES
- DESUPERHEATER



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SAKTHI INDUSTRIES
Manufacturer of IBR & NON IBR VALVES



Note : Standard material specifications can be changed according to service condition

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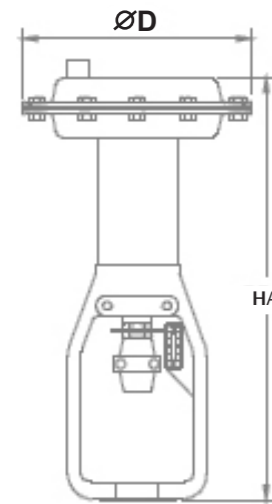
GLOBE 2 WAY CONTROL VALVES

Technical Specifications

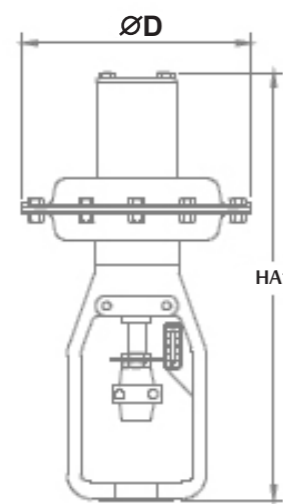
DESIGN	: ASME 816.34
VALVE SIZE	: 15 to 450mm (1/2" to 18")
RATING	: 150 TO 2500 ANSI
END CONNECTION	: Flanged, Screwed, Butt-weld, Socket weld
MATERIAL	: Carbon steel, Stainless steel, Monel, Duplex, Alloy 20, Hastelloy B/C, Aluminum Bronze, PP, and Teflon lined etc
BONNET	: Standard from - 20°C to 250°C Normalizing between 250°C to 500°C Extended Bellow sealed
TRIM FORMS	: Top guided Contoured, Splined Micro flow V- Ported (Balanced / Unbalanced) Low Noise (Up to four Stage Pressure Reduction Balanced / Unbalanced)
TRIM MATERIAL	: Stainless steel, Alloy 20, Monel, Duplex Hastelloy B/C, Stellite
FLOW CHARACTERISTIC	: Equal Percentage, Linear and Quick Opening
SEAT LEAKAGE	: Class III, IV, V & VI (FCI-70.2) Standard Leakage Rates Metal to Metal Seating Class IV- less than 0.01% of rated Cv Metal to Soft Seating Class VI – Bubble tight (Zero Leakage)
GLAND PACKING	: Grafoil or PTFE Chevron
ACTUATOR	: Diaphragm, Piston or Electrical
ACTUATOR ACTION	: Direct / Reverse Acting

Application:

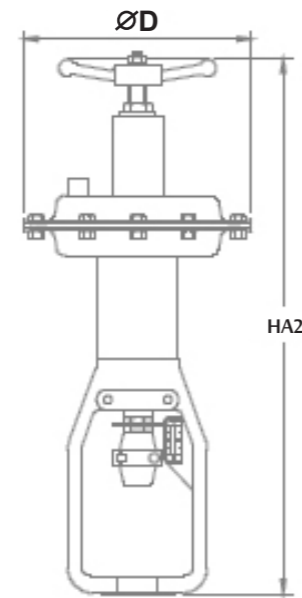
Steam pressure, feed water control, Air, Gas, Water etc.



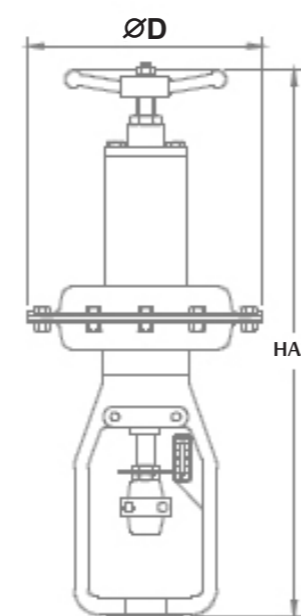
DIAPHRAGM ACTUATOR
DIRECT – ACTING - PDO



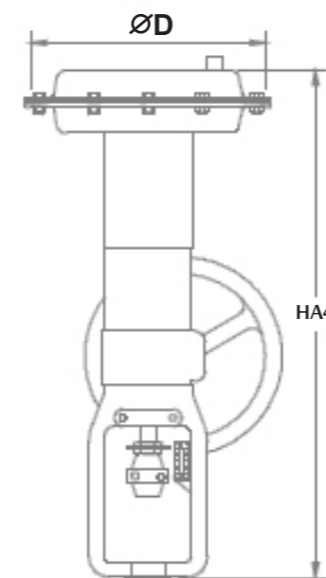
DIAPHRAGM ACTUATOR
REVERSE – ACTING - PDC



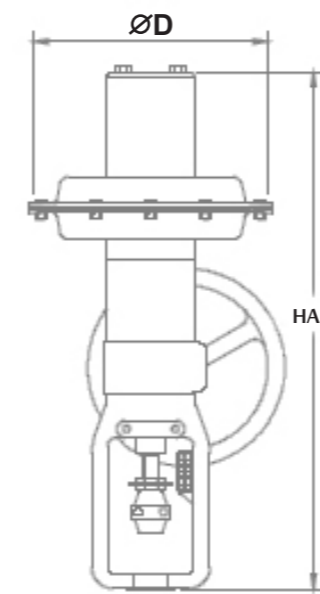
DIAPHRAGM ACTUATOR WITH
TOP MOUNTED HANDWHEEL
DIRECT – ACTING - PDO



DIAPHRAGM ACTUATOR WITH
TOP MOUNTED HANDWHEEL
REVERSE – ACTING - PDC



DIAPHRAGM ACTUATOR WITH
SIDE MOUNTED HANDWHEEL
DIRECT – ACTING - PDO



DIAPHRAGM ACTUATOR WITH
SIDE MOUNTED HANDWHEEL
REVERSE – ACTING - PDC

Control Valve with complete Instrumentation can be provided

Note : Standard material specifications can be changed according to service condition

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GLOBE 3 WAY CONTROL VALVES

Technical Specifications

DESIGN	: ASME B16.34
BODY FORM	: Globe type with Tail piece to provide third port
VALVE SIZE	: 15 to 300(1/2" to 12")
RATING	: 150 to 1500 ANSI
TRIM FORM	: Linear, V-Port Skirt Guided
FLOW CHARACTERISTIC	: Linear On/Off
SEAT LEAKAGE	: IV, V & VI (FCI – 70.2)
ACTUATOR	: Diaphragm, Piston or Electrical
ACTUATOR ACTION	: Direct / Reverse Acting

Applications:

Thermic fluid Hot Water etc.



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PRESSURE REGULATING VALVES IBR

Technical Specifications

DESIGN	: ASME B16-34
BODY FORM	: Globe.
VALVE SIZE	: 15 to 300 mm (1/2" to 12")
RATING	: 150 to 300 ANSI
END CONNECTION	: Flanged – 15mm to 300mm (1/2" to 12") Screwed – 15mm to 50mm (1/2" to 2")
BODY MATERIAL	: A216 Gr. WCB, A351CF8, CF8M
TRIM MATERIAL	: Stainless Steel, Alloy20, Monel, Hastelloy B/C, Stellite Hard facing
INTERNAL PARTS	: SS 316 as standard others on request
MAX. TEMPERATURE	: As per the diaphragm limitations
SEAT LEAKAGE	: As per FCI-70.02 (ANSI B 16.104) Class IV, V and VI (STANDARD LEAKAGE RATES) Metal to Soft Seating – Bubble tight (Zero Leakage)
SENSING DIAPHRAGM	Neoprene, Natural rubber, Nitrile, EDPM, Viton, Teflon

Application: Steam



BUTTERFLY CONTROL VALVES

Technical Specifications

DESIGN	: Wafer (Complies to BS:5155)
VALVE SIZE	: 50 to 300 mm (2" to 12")
BODY TYPE	: Metal to Metal / Sleeved / Teflon Seated
RATING	: 150 ANSI
FLOW CHAR	: On/Off / Throttling
SEAT LEAKAGE	: II to VI (FCI – 70.2)
MATERIAL	BODY : Cast Iron, Carbon Steel, Stainless Steel etc. VANE : Stainless Steel, (Other on request) BODY SLEEVE : Neoprene, Nitrile, Teflon, EPDM etc.
GLAND PACKING	: PTFE V Ring upto 180°C Grafoil upto 400°C
ACTUATOR ACTION	: Diaphragm, Rotary or Electrical

V-NOTCH BALL CONTROL VALVES

Technical Specifications

DESIGN	: Complies to BS:5351
VALVE SIZE	: 50 to 300mm (2" to 12")
BODY TYPE	: V-Notch / Full bore conventional
RATING	: 150 ANSI
FLOW CHAR	: Throttling / On-Off
MATERIAL	BODY : Carbon Steel, Stainless Steel etc Ball : Stainless Steel Seal : Teflon, Viton
TEMPERATURE	: 180°C with PTFE Seal 250°C with Viton Seal
ACTUATOR	: Diaphragm, Rotary or Electrical

Note : Standard material specifications can be changed according to service condition



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