



MIL 81000 - Three Way Combining and Diverting Control Valves

Standard sizes & rating

3/4" to 12" : ASME 150# to ASME 2500#

Seat leakage class (as per FCI 70.2)

Standard : Class IV

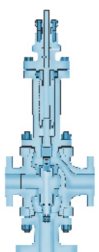
Optional : Class VI



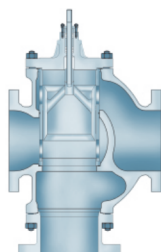
Applications

- Ideal for domestic water, radiant applications etc
- Installations with large variations in flow rate and supply conditions
- Installations requiring tightly controlled water temperature.
- Used in power plants as main trip valve for combining services.

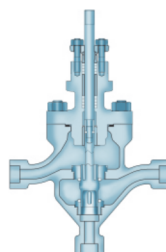
More information:
www.ksb-mil.com



MIL 81000 series 3-way bellow sealed body sub-assembly



3-way valve body sub-assembly 81500 balanced design

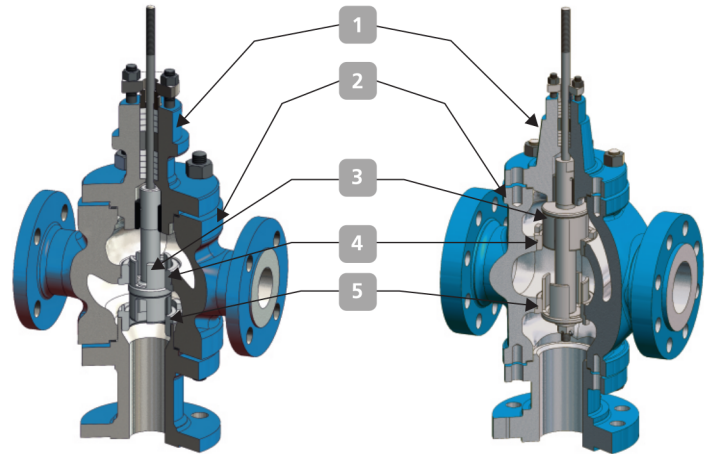


Combining service illustrated (For diverting service, common port 'C' is the inlet)

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- 1 Top and Bottom entry construction
- 2 High capacity with low recovery
- 3 Plug stability at throttling
- 4 High performance materials
- 5 Durability
- 6 Extra guiding
- 7 Reduced inventory control



81385 - Combining Valve

81386 - Diverting Valve

- 1 Bonnet
- 2 Body
- 3 Plug
- 4 Upper seat ring
- 5 Lower seat ring

Model Decodification

1 st	2 nd	3 rd	4 th	5 th	6 th	7 th
-	-	8	1	-	-	-
Actuator Type		Body Series		Body Type	Trim Type	Seat Type
37.Direct Spring Diaphragm 38.Reverse Spring Diaphragm		81.Three way combining and diverting service control valve		0.Undefined 3.Top and Port Guided 4.Invertible Body 5.Cage Guided	0.Undefined 8.Linear 9.Special	0.Undefined 5.Combinig Design 6.Diverting Design

General Data

Body	Type	Three-way combining or diverting
	Option	Invertible body, combining and diverting action in the same body Cage guided, pressure balanced
	Recommended flow directions	Flow to open (both ports)
Bonnet	Type	Bolted
	Temperature range	-30° C to 454° C
Gland Seal	Type	Adjustable double sealed packing box with PTFE or Graphite moulded split rings
	Temperature range	≤ 180° C for PTFE, > 180° C for Graphite
Trim	Plug type	Combining Diverting
	Guiding	Top and Port guiding
	Rangeability	50:1
	Characteristic	Linear, Full capacity (reduced capacity on request)