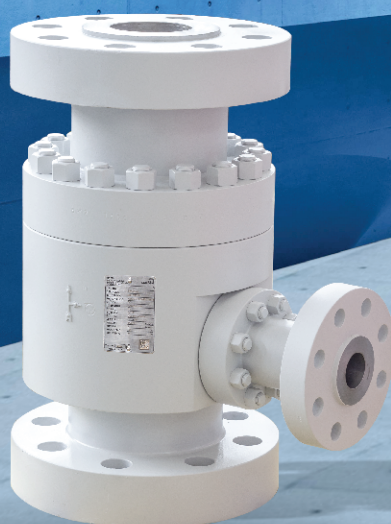


Bypass: Class IV (for model 902 & 903)



More information:
www.ksb-mil.com

Your contact:

MIL 90000 - Automatic Recirculation Valves for Pump Protection

1 Regulatory duty

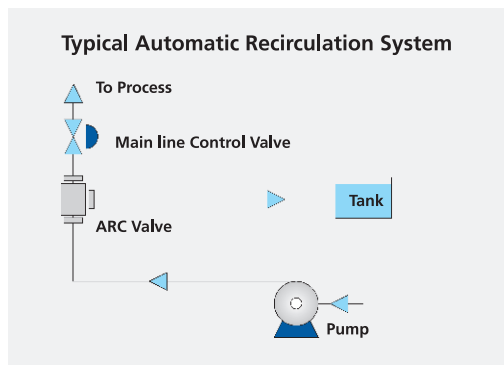
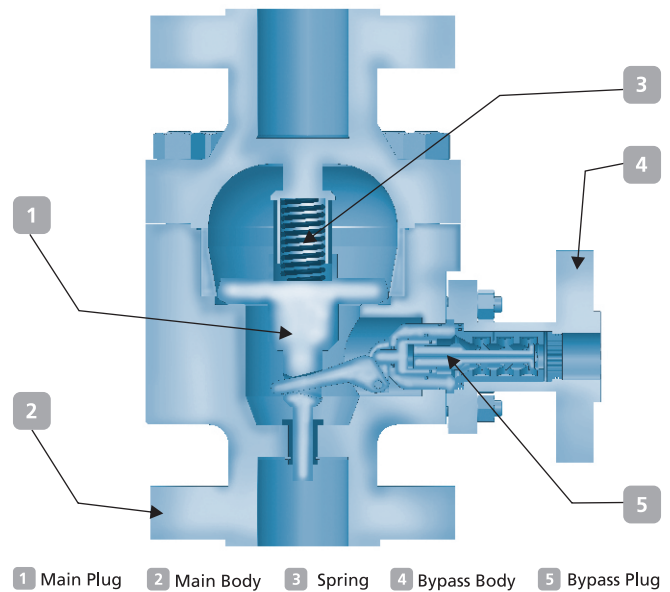
- The valve performs not only On/Off function, but modulating function also. It can also work in various load conditions without loss of energy

2 Stable Operation

- Sturdy spring loaded check valve design eliminates instability during operation. Hardfaced seat surface (check valve side) ensures long service life

3 Rugged Bypass design

- The bypass port employs the globally field proven MIL 78000 series technology which is based on the principle of multi-step high resistance axial-flow.



Model Decodification

1 st	2 nd	3 rd	4 th	5 th	Suffix				
9	0	-	-	-	-	-	-	-	
Series	Model	Size		Pressure Class		Connection	Configuration	Bypass option	Body Material
90. Automatic Recirculation Control Valve	1. Single stage	1. 1"	7. 5"	1. 150	C. PN 25	F. Flanged W. Weld End	V. Vertical Mounting H. Horizontal Mounting	S. Standard O. Oversized R. Reduced	C. Carbon Steel S. Stainless Steel A. Alloy Steel D. Duplex Steel
		2. 1½"	8. 6"	2. 300	K. PN 40				
	2. Double stage	3. 2"	9. 8"	3. 600	D. PN 63/64				
		4. 2½"	A. 10"	4. 900	E. PN 100				
	3. Multi stage	5. 3"	B. 12"	5. 1500	F. PN 160				
		6. 4"		6. 2500	G. PN 250				
				A. PN 10	H. PN 320				
				B. PN 16	J. PN 400				

General Data

Flow direction	Flow To Open (Check Valve) Flow To Close (Bypass Valve)	O-Ring Materials <ul style="list-style-type: none">▪ Viton (FKM)▪ FFKM	≤ 190 °C
Leakage Class	Main Check Valve: FCI 70.2 Class IV (all models) Bypass: FCI 70.2 Class IV (for 903 model)		≤ 260 °C
Operating Temperature range	Up to 260 °C		

Installation requirements	
<ul style="list-style-type: none">▪ Standard Orientation - Vertical▪ Filter mesh having mesh size 0.3 to 0.5mm should be used at pump suction side	



KSB MIL Controls Limited
 Meladoor, Annamanada, Pin - 680741
 Thrissur District, Kerala, India
 Tel. +91 480 2695700, Fax. +91 480 2890952
 E-mail: sales.mil@ksb.com, www.ksb-mil.com

You can also visit us at:
www.ksb.com/socialmedia