

PRESSURE REDUCING VALVES

4Matic®
Industrial Valves and Valve Automation



Pressure Reducing Valve



Angle Safety Valve



Safety Valve



Flow Control Valve

• Direct Acting Valves • Pilot Operated Valves • Safety Valves • Float Valves • Balancing Valves



WRAS



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Direct Activated PRESSURE REDUCING VALVE with Internal balancing line for STEAM

Body, Bonnet and Trims:	Stainless Steel
Size Range:	½" to 6" (15mm to 150mm)
Temperature:	Up to 170°C (340°F)
Max. Inlet Pressure:	12 Kg /cm² (170 PSI)
Pressure Adjusting Range:	1-6 Kg /cm² & 4-10 Kg /cm²
Seal:	Viton
Applications:	Steam
Ends:	Screwed(BSP/NPT) & Flanged

Model: 4MIBP



Direct Activated PRESSURE REDUCING VALVE with Internal balancing line for WATER / GAS / AIR

Body, Bonnet and Trims:	Stainless Steel
Size Range:	½" to 6" (15mm to 150mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	18 Kg /cm² (250 PSI)
Pressure Adjusting Range:	1-6 Kg /cm² & 4-10 Kg /cm²
Seal:	NBR
Applications:	Water, Gas, Air & Oil
Ends:	Screwed(BSP/NPT) & Flanged

Model : 4MWGF / 4MWGS



Direct Activated Cast Iron PRESSURE REDUCING VALVE with Internal balancing line for WATER / GAS / AIR FLANGED 150#

Body:	Cast Iron
Bonnet and Trims:	Stainless Steel
Size Range:	1" to 4" (25mm to 100mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	18 Kg /cm² (250 PSI)
Pressure Adjusting Range:	1-6 Kg /cm² & 4-10 Kg /cm²
Seal:	NBR
Applications:	Water, Gas, Air & Oil
Ends:	Flanged

Note: Also available in WCB Body

Model : 4MWGC



Direct Activated PRESSURE REDUCING VALVE with Internal balancing line SEMI PILOT Diaphragm Operated (With Strainer)

Body and Trims:	Stainless Steel
Bonnet:	Aluminum
Size Range:	½" to 2.1/2" (15mm to 65mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	12 Kg /cm² (170 PSI)
Pressure Adjusting Range:	1-6 Kg /cm² & 4-10 Kg /cm²
Seal:	NBR
Applications:	Water, Gas, Air & Oil
Ends:	Screwed(BSP/NPT) & Flanged

Model : 4MSDS/4MSDF



PRESSURE REDUCING VALVES

Direct Activated GUN METAL PRESSURE REDUCING VALVE with Strainer

Body and Trims:	Gun Metal
Bonnet:	Aluminum
Size Range:	½" to 2.1/2" (15mm to 65mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	12 Kg /cm² (170 PSI)
Pressure Adjusting Range:	1-5 Kg /cm² & 4-10 Kg /cm²
Seal:	NBR
Applications:	Water, Gas & Air
Ends:	Screwed(BSP/NPT)

Model: 4MSBP



Micro PRESSURE REDUCING VALVE for Low Pressure applications

Body, Bonnet and Trims:	Stainless Steel
Size Range:	½" to 2" (15mm to 50mm)
Temperature:	Up to 70°C (160°F)
Max. Inlet Pressure:	0.5 Kg /cm² (10 PSI)
Pressure Adjusting Range:	0.01 mmwc to 1.10mmwc (100 mmwc to 1000mmwc)
Seal:	NBR
Applications:	Gas
Ends:	Screwed(BSP/NPT) & Flanged

Model: 4MMPS /4MMPF



Direct Activated Aluminum Body PRESSURE REDUCING VALVE with internal balancing line for Air with Panel mounting

Body:	Aluminum
Bonnet and Trims:	Stainless Steel
Size Range:	½" to 1" (15mm to 25mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	10 Kg /cm² (150 PSI)
Pressure Adjusting Range:	0.5-9 Kg /cm²
Seal:	NBR
Applications:	Air
Ends:	Screwed(BSP/NPT)

Model : 4MALP



Direct Activated CAST IRON PRESSURE REDUCING VALVE with internal balancing line for Oil & Steam

Body:	Cast Iron
Bonnet and Trims:	Stainless Steel
Size Range:	1" to 4" (25mm to 100mm)
Temperature:	Up to 170°C (340°F)
Max. Inlet Pressure:	10 Kg /cm² (150 PSI)
Pressure Adjusting Range:	1-6 Kg /cm² & 4-10 Kg /cm²
Seal:	Viton
Applications:	Oil & Steam
Ends:	Flanged

Model : 4MOCP-CI



Direct Activated Stainless Steel Body PRESSURE REDUCING VALVE with internal balancing line for Oil & Steam

Body, Bonnet and Trims:	Stainless Steel
Size Range:	½" to 4" (15mm to 100mm)
Temperature:	Up to 170°C (340°F)
Max. Inlet Pressure:	10 Kg /cm² (150 PSI)
Pressure Adjusting Range:	1-6 Kg /cm² & 4-10 Kg /cm²
Seal:	Viton
Applications:	Oil & Steam
Ends:	Screwed(BSP/NPT) & Flanged

Model : 4MOCS / 4MOCF



Direct Activated PRESSURE REDUCING VALVE with internal balancing line for Water / Gas / Air / Oil for High Pressure Up to 28 Kg /cm²

Body, Bonnet and Trims:	Stainless Steel
Size Range:	½" to 4" (15mm to 100mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	28 Kg /cm² (400 PSI)
Pressure Adjusting Range:	12-25 Kg /cm²
Seal:	NBR
Applications:	Water, Gas, Air & Oil
Ends:	Screwed(BSP/NPT) & Flanged

Model : 4MPMF / 4MPMS



Direct Activated PRESSURE REDUCING VALVE with internal balancing line only for Water / Gas / Air for Up to 40 Kg /cm²

Body, Bonnet and Trims:	Stainless Steel
Size Range:	½" to 4" (15mm to 100mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	40 Kg /cm² (570 PSI)
Pressure Adjusting Range:	20-35 Kg /cm²
Seal:	NBR
Applications:	Water, Gas, Air
Ends:	Screwed(BSP/NPT) & Flanged

Model : 4MPHS / 4MPHF



Direct Activated PRESSURE REDUCING VALVE with internal balancing line for Water / Gas / Air for Low Pressure

Body, Bonnet and Trims:	Stainless Steel
Size Range:	½" to 4" (15mm to 100mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	2 Kg /cm² (30 PSI)
Pressure Adjusting Range:	0.2-1.5 Kg /cm²
Seal:	NBR
Applications:	Water, Gas, Air
Ends:	Screwed(BSP/NPT) & Flanged

Model : 4MLOF / 4MLOS



Note: Also available in High Temperature Up to 160°C (320°F) for Steam line

PRESSURE REDUCING VALVES

MULTI FUNCTION PRESSURE REDUCING VALVE with internal balancing line - Pilot operated

Body, Bonnet and Trims:	Stainless Steel
Size Range:	1.1/2" to 4" (40mm to 100mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	12 Kg /cm ² (170 PSI)
Pressure Adjusting Range:	1-6 Kg /cm ² & 4-10 Kg /cm ²
Seal:	NBR
Applications:	Water, Gas, Air & Oil
Ends:	Screwed(BSP/NPT)

Note: Also available in High Temperature Up to 180° C (360°F) for Steam Line

Model : 4MBFRS



MULTI FUNCTION PRESSURE REDUCING VALVE with internal balancing line / basic (contact with sales for more details)

Body, Bonnet and Trims:	Stainless Steel
Size Range:	1.1/2" to 4" (40mm to 100mm)
Temperature:	Up to 85°C (185°F)
Max. Inlet Pressure:	12 Kg /cm ² (170 PSI)
Pressure Adjusting Range:	1-6 Kg /cm ² & 4-10 Kg /cm ²
Seal:	NBR
Applications:	Water, Gas, Air & Oil
Ends:	Screwed (BSP/NPT)

Model : 4MBFGS



Direct Activated "SILENT" PRESSURE RELIEF VALVE (SAFETY VALVE)

Body and Trims:	Stainless Steel
Size Range:	1/2" to 4" (15mm to 100mm)
Temperature:	Up to 80°C (180°F)
Pressure Adjusting Range:	0.5-10 Kg /cm ² , 10-20 Kg /cm ² & 25-35Kg /cm ²
Seal:	NBR
Applications:	Air, Water, Oil, Gas
Ends:	Screwed (BSP / NPT) & Flanged

Note: Direct Activated Pressure Sustaining Back Pressure Valve available on request

Model : 4MPLF / 4MPLS



Direct Activated "SILENT" PRESSURE RELIEF VALVE (SAFETY VALVE) Variable Connection Type

Body and Trims:	Stainless Steel			
Model	4MPLS		4MPLF	
Size Range in Inches:	1/2" x 3/4"	1" x 1.1/2"	1" x 1.1/2"	1" x 2"
	1" x 2"		1.1/2" x 2"	2" x 3"
Temperature:	Up to 80°C (180°F)			
Pressure Adjusting Range:	0.5-10 Kg /cm ² , 10-20 Kg /cm ² & 25-35Kg /cm ²			
Seal:	NBR			
Applications:	Air, Water, Oil, Gas			
Ends:	Screwed(BSP/NPT) & Flanged			

Note: Direct Activated Pressure Sustaining Back Pressure Valve available on request

Model : 4MPLS / 4MPLF



Direct Activated "SILENT" PRESSURE RELIEF VALVE (SAFETY VALVE) for steam applications.

Body and Trims:	Stainless Steel
Size Range:	½" to 4" (15mm to 100mm)
Temperature:	Up to 170°C (340°F)
Pressure Adjusting Range:	0.5-10 Kg /cm², 10-20 Kg /cm² & 25-35 Kg /cm²
Seal:	Viton
Applications:	Water, Oil, Gas & Steam (High temperature)
Ends:	Screwed(BSP/NPT) & Flanged
Note: Direct Activated Pressure Sustaining Back Pressure Valve available on request	

Model : 4MPRS / 4MPRF



Direct Activated "SILENT" PRESSURE RELIEF VALVE (SAFETY VALVE) Variable Connection Type

Body and Trims:	Stainless Steel			
Model	4MPRS		4MPRF	
Size Range in Inches:	1/2" x 1"	1" x 1.1/2"	1" x 1.1/2"	1" x 2"
	1" x 2"		1.1/2" x 2"	2" x 3"
Temperature:	Up to 170°C (340°F)			
Pressure Adjusting Range:	0.5-10 Kg /cm², 10-20 Kg /cm² & 25-35 Kg /cm²			
Seal:	Viton			
Applications:	Water, Oil, Gas & Steam (High temperature)			
Ends:	Screwed(BSP/NPT) & Flanged			
Note: Direct Activated Pressure Sustaining Back Pressure Valve available on request				

Model : 4MPLF / 4MPRS



Direct Activated "SILENT" PRESSURE RELIEF VALVE (SAFETY VALVE)

Body and Trims:	Cast Iron
Size Range:	1" to 4" (25mm to 100mm)
Temperature:	Up to 85°C (185°F)
Pressure Adjusting Range:	0-10 Kg /cm²
Seal:	NBR
Applications:	Water, Oil, Air & Gas
Ends:	Flanged
Note: Also available in WCB Body and Temperature Up to 160°C (320°F) for Steam applications.	

Model : 4MCSF



FLOAT Valve - Full Flow Design

Body and Trims:	Stainless Steel
Size Range:	½" to 6" (15mm to 150mm)
Temperature:	Up to 85°C (185°F)
Pressure Range:	12 Kg
Max. Inlet Pressure:	12 Kg /cm² (170 PSI)
Applications:	Water
Ends:	Screwed(BSP/NPT) & Flanged

Model : 4MFVT



PRESSURE REDUCING VALVES

Spring Loaded SAFETY VALVE Metal Seated Reduce bore Design

Body :	WCB / CF8 / CF8M
Trims :	CF8 / CF8M
Size Range :	½" to 14" (15mm to 350mm)
Temperature :	Up to 350°C (650°F)
Max. Inlet Pressure :	Up to 40 Kg / cm ² (569 PSI)
Pressure adjusting range :	0.5-6 Kg / cm ² ; 6 to 12 Kg / cm ² ; 10 to 16 Kg / cm ² 16 to 25 Kg / cm ² ; 25 to 35 Kg / cm ² ; 35 to 45 Kg / cm ²
Seal :	Metal Seat
Ends :	Flanged / Screwed (BSP / NPT)
Application :	Thermic Fluid / Steam

Model : 4MPTF / 4MPTS



Pilot operated Multifunctional Pressure reducing Valve - High Flow Design

Body :	Cl/WCB / CF8 / CF8M
Trims :	CF8 / CF8M
Size Range :	1.½" to 24" (40mm to 600mm)
Temperature :	Up to 85°C (185°F)
Max. Inlet Pressure :	Up to 12Kg / cm ² (170 PSI)
Pressure adjusting range :	1-6 Kg / cm ² & 4 to 10Kg / cm ²
Seal :	NBR / EPDM / VITON
Ends :	Flanged
Application :	Water / Oil / Gas

Model : 4MDUF



PILOT OPERATED PRESSURE REDUCING VALVE

Body :	Cl / WCB / CF8 / CF8M
Trims :	CF8 / CF8M
Size Range :	1.½" to 24" (40mm to 600mm)
Temperature :	Up to 85°C (185°F)
Max. Inlet Pressure :	Up to 12 Kg / cm ² (170 PSI)
Pressure adjusting range :	1-6 Kg / cm ² & 4 to 10 Kg / cm ²
Seal :	NBR / EPDM / VITON
Ends :	Flanged
Application :	Water / Oil / Gas

Model : 4MBOM



Direct Activated Balancing Valve

Body :	Cl/WCB/CF8/CF8M/Gun Metal
Trims :	CF8/CF8M/Gun Metal
Size Range :	1" to 24" (25mm to 600mm)
Temperature :	Up to 85°C (185°F)
Max. Inlet Pressure :	Up to 12 Kg / cm ² (171 PSI)
Pressure adjusting range :	1-6 Kg / cm ² & 4 to 10 Kg / cm ²
Seal :	NBR / EPDM / VITON
Ends :	Flanged / Screwed (BSP / NPT)
Application :	Water / Oil / Gas

Model : 4MMOB





Micro PRV
(0.01 mmwc to 1.10 mmwc)
(1000 mmwc to 1000 mmwc)



Float Valve



High Flow PRV



Balancing Valve

Aira 4Matic Global Valve Automation



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