

4V、3V Series Solenoid Valve, 4A、3A Series Pneumatic Control Valve

NEW



- Except the existing colours, now we have launched black valve body with laser printing model number.
- Other colours of body can be produced if orderd quantity meets our required.

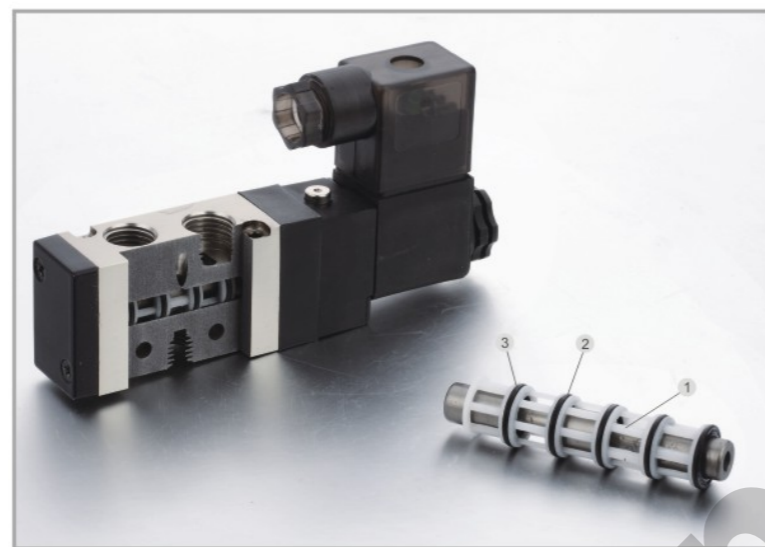
Product instruction

This solenoid valve is our new developed product. All the installation dimension is the same as 3V, 4V series, and the valve spindle material is still aluminum, but we changed the material outside valve spindle into POM (polyformaldehyde). Then it will be not only the seal-ring that operate separately, which will bring the new product two advantages:

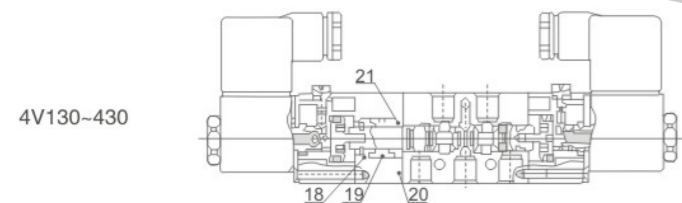
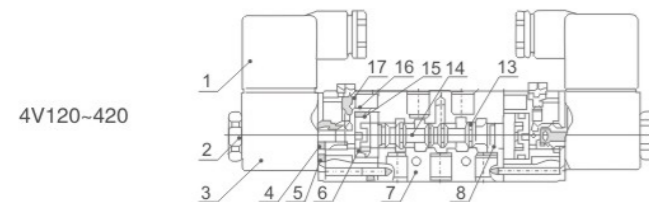
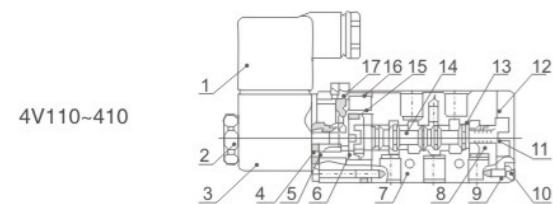
If you need this new product, please add the word "new" (abbreviation "N" ) after the ordering code, for example: 4V210-08-N.

1. High dust prevention, air-proof
2. One or twice lifetime than normals'

- 1 Spool:material aluminum 6061
- 2 O-ring:material NBR
- 3 White case:Material POM



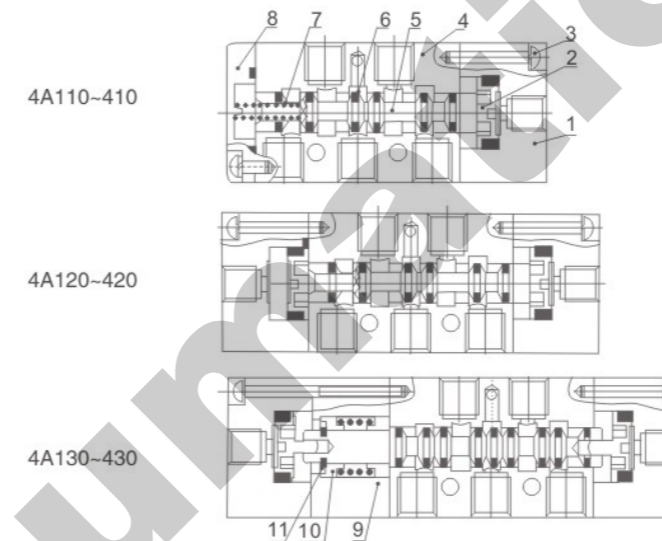
4V Series Internal structure



NO	Designation	NO	Designation
1	Connector	12	Seal ring
2	Nut	13	O-Ring
3	Coil	14	Spool
4	Active Amature	15	O-Ring
5	Steel Part	16	Spring
6	Piston	17	Pin
7	Body	18	Spring Seat
8	Wearing	19	Spring
9	End Cap	20	Side Cover
10	Screw	21	Spring Seat
11	Spring		

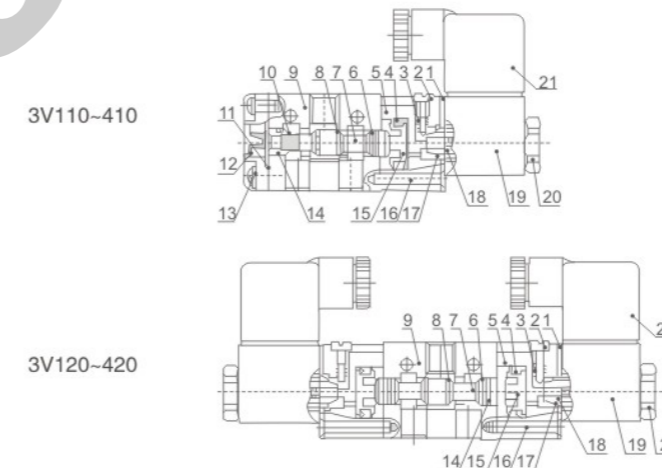
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4A Series Internal structure



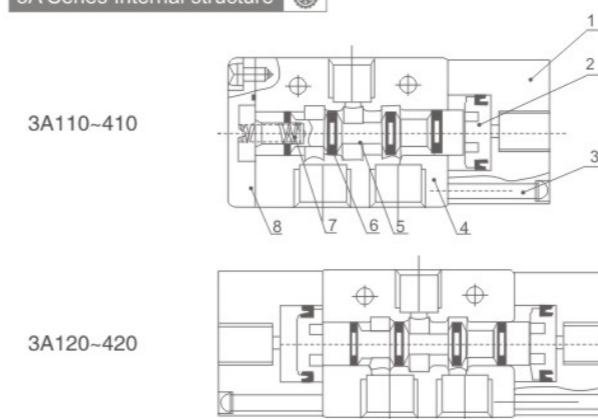
NO	Designation
1	Air control cover
2	Piston
3	Screw
4	Valve body
5	Spool
6	O-Ring
7	Spring
8	Rear cover
9	Back seat
10	Spring seat
11	C-type buckle

3V Series Internal structure



NO	Designation	NO	Designation
1	Washer	12	End Cap
2	Pin	13	Screw
3	Spring	14	Wearing
4	O-Ring	15	Piston
5	Body	16	Screw
6	O-Ring	17	O-Ring
7	Spool	18	Active Amature
8	O-Ring	19	Coil
9	Body	20	Nut
10	Spring	21	Connector
11	Seal		

3A Series Internal structure



NO	Designation
1	Air control cover
2	Piston
3	Screw
4	Valve body
5	Spool
6	O-Ring
7	Spring
8	Rear cover

4V、3V100 Series Solenoid Valve, 4A、3A 100 Series Pneumatic Control Valve



Ordering Code

4V 1 10 06 AC220V

**Specification Code**  
 4V: Two(Three)-position Five-way Solenoid Valve  
 4A: Two(Three)-position Five-way pneumatic control valve  
 3V: Two-position Three-way Solenoid valve  
 3A: Two-position Three-way pneumatic control valve

**Series Code**  
 100 Series

**Coil and Places**  
 10: Single-head Double-position  
 20: Double-head Double-position  
 30C: Double-head Three-position Close Type  
 30E: Double-head Three-position Exhaust Type  
 30P: Double-head Three-position Pressure Type

**Port Size**  
 M5: M5×0.8  
 06: G1/8"

**Port connection and Initial State**  
 NC: Two-position Three-way Normal Close Type  
 NO: Two-position Three-way Normal Open Type

**Standard Voltage**  
 DC12V  
 DC24V  
 AC24V 50Hz/60Hz  
 AC110V 50Hz/60Hz  
 AC220V 50Hz/60Hz  
 AC380V 50Hz/60Hz

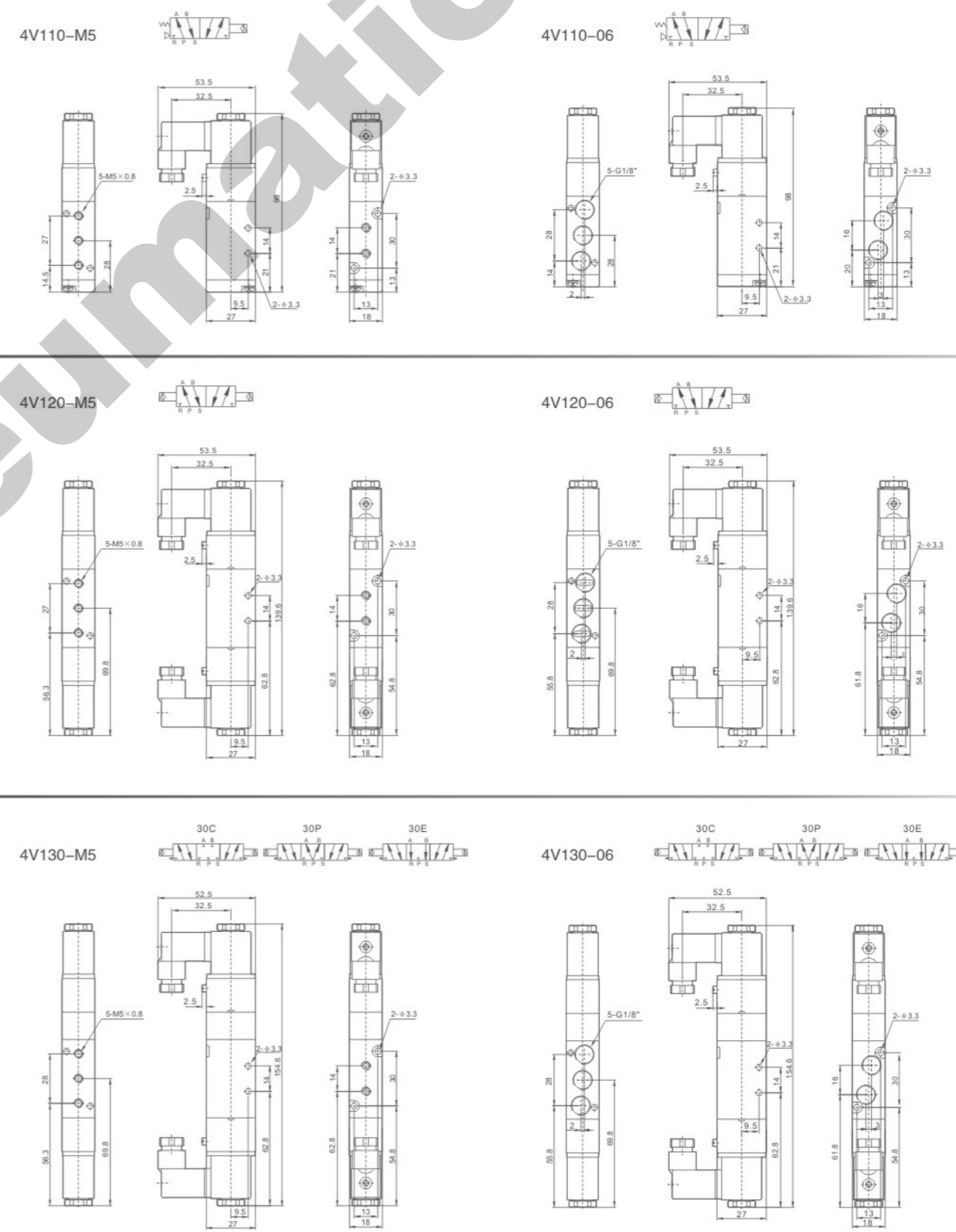
**Wiring Form**  
 Blank: Standard Connector  
 LD: Brown With Lighting Connector  
 LD1: White With Lighting Connector  
 W: Lead Wire Type

Specification

Model	4V110-M5	4V120-M5	4V130C-M5	4V130E-M5	4V130P-M5	4V110-06	4V120-06	4V130C-06	4V130E-06	4V130P-06	
Position and Way NO.	Two-position Five-way			Three-position Five-way			Two-position Five-way			Three-position Five-way	
Effective Sectional Area	10mm <sup>2</sup> (CV=0.56)			7mm <sup>2</sup> (CV=0.40)			12mm <sup>2</sup> (CV=0.67)			9mm <sup>2</sup> (CV=0.5)	
Model	3V110-M5	3V120-M5	3A110-M5	3A120-M5	3V110-06	3V120-06	3A110-06	3A120-06			
Position and Way NO.	Two-position Three-way				Two-position Three-way						
Effective Section Area	10mm <sup>2</sup> (CV=0.56)				12mm <sup>2</sup> (CV=0.67)						
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=M5x0.8				Air Inlet=Air Outlet=Exhaust=G1/8"						
Working Medium	40 Micron Filtered Air										
Motion Pattern	Inner Guide Type										
Working-pressure	0.15~0.8 M Pa										
Max. Pressure Resistance	1.2MPa										
Operating Temperature	5~50°C										
Voltage Range	±10%										
Power Consumption	AC: 2.5VA DC: 2.5W										
Insulation & Protection Class	F Class, IP65										
Wiring Form	Lead Wire or Connector type										
Highest Action Frequency	5 Cycle / Second										
Shortest Excitation Time	0.05 Second										

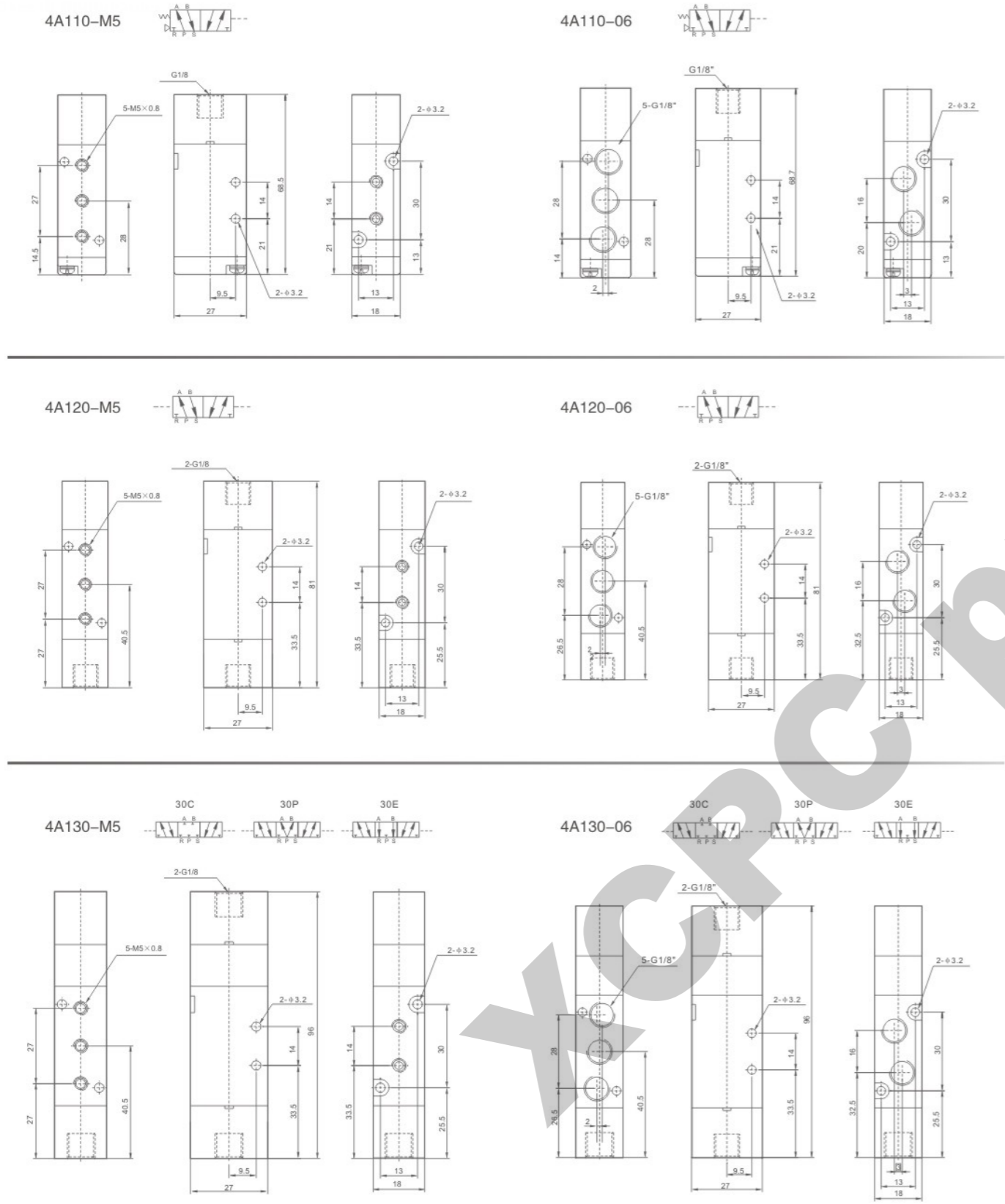
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Overall Dimensions



**4V、3V100 Series Solenoid Valve, 4A、3A 100 Series Pneumatic Control Valve**

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**4V、3V100 Series Solenoid Valve, 4A、3A100 Series Pneumatic Control Valve**

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