



Pneumatic Components Specification Catalogue

1. Manifold

Qty: 1

- Operating Pressure: 0 – 10 bar
- 8 Output Ports with Integrated Check Valves
- 3/2-Way Hand Slide Valve Input Connector
- Enables ON/OFF Air Supply Control

2. Start-Up Valve with Filter Control

Qty: 1

- Pressure Regulation Range: 0.5 – 8.5 bar
- Filtration Grade: 40 µm
- Rated Flow: 500 L/min
- Connections: PT 1/4" (main), PT 1/8" (gauge)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Automatic Differential Pressure Draining

3. Pressure Regulator Valve with Gauge

Qty: 1

- Pressure Range: 0.5 – 8.5 bar
- Material: Aluminum Alloy
- Rated Flow: 550 L/min

4. Pressure Gauge

Qty: 1

- Type: Bourdon Tube
- Measurement Range: 0 – 10 bar
- Dial Diameter: Ø40 mm

5. One-Way Flow Control Valve

Qty: 4

- Operating Pressure: 0.5 – 9.5 bar
- Free Flow Rate (Out → In): 400 L/min
- Controlled Flow Rate (In → Out): 200 L/min

6. Single-Acting Cylinder

Qty: 1

- Operating Pressure: 1.5 – 10 bar
- Stroke: Max. 75 mm
- Speed Range: 50 – 800 mm/s
- Bore: Ø25 mm
- Built-in Crash Cushion

7. Double-Acting Cylinder

Qty: 2

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- Operating Pressure: 1.5 – 10 bar
- Stroke: Max. 125 mm
- Speed: 30 – 800 mm/s
- Bore: Ø25 mm
- Built-in Crash Cushion

8. Sensor-Enabled Double-Acting Cylinder

Qty: 2

- Operating Pressure: 1.5 – 10 bar
- Stroke: Max. 125 mm
- Speed: 30 – 800 mm/s
- Bore: Ø25 mm
- Includes Sensor Magnet and Crash Cushion

9. 3/2-Way Roller Lever Valve (NC)

Qty: 2

- Operating Pressure: 0 – 8 bar
- Return Type: Spring
- Bi-directional Lever, Normally Closed

10. 3/2-Way Pushbutton Valve (NC)

Qty: 1

- Operating Pressure: 0 – 8 bar
- Direct Operation, Pushbutton-Actuated
- Normally Closed Configuration

11. 3/2-Way Pneumatic Valve (Single Pilot)

Qty: 2

- Operating Pressure: 1.5 – 8 bar
- Normally Closed
- Return: Spring and Pilot

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- Valve Type: Spool
- Frequency: 5 Cycles/Sec

12. 5/2-Way Selector Switch Valve

Qty: 1

- Operating Pressure: 0 – 8 bar
- Spring Return
- Manual Two-Position Selector Switch

13. 5/2-Way Pneumatic Valve (Single Pilot)

Qty: 1

- Operating Pressure: 1.5 – 8 bar
- Actuation: External Air Control
- Return: Spring and Pilot
- Valve Type: Spool
- Frequency: 5 Cycles/Sec

14. 5/2-Way Pneumatic Valve (Double Pilot)

Qty: 2

- Operating Pressure: 1.5 – 8 bar
- Actuation: Double Air Pilot
- Return: Self-Holding Pilot
- Valve Type: Spool
- Frequency: 5 Cycles/Sec

15. 5/2-Way Hand Directional Valve

Qty: 1

- Operating Pressure: 0 – 10 bar
- Manual Actuation
- Return Type: Manual
- Spool Valve with $\pm 15^\circ$ Swing Angle

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16. Shuttle Valve (OR Logic)**Qty:** 2

- Operating Pressure: 0.5 – 9.5 bar
- Proof Pressure: 15 bar
- Circulation Volume: 0.56
- Net Sectional Area: 10 mm²

17. Dual-Pressure Valve (AND Logic)**Qty:** 1

- Operating Pressure: 0 – 10 bar
- Proof Pressure: 15 bar
- Circulation Volume: 0.56
- Net Sectional Area: 10 mm²

18. Non-Return Valve, Delockable**Qty:** 2

- Operating Pressure: 0.5 – 9.5 bar
- Operating Frequency: 60 Cycles/Min
- Active Cross-Sectional Area: 24 mm²

19. Quick-Exhaust Valve**Qty:** 1

- Operating Pressure: 0 – 9 bar
- Circulation Volume: 0.56
- Net Sectional Area: 10 mm²

20. Pneumatic Timer (Normally Closed)**Qty:** 1

- Operating Pressure: 2 – 10 bar

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- Time Delay: 1 – 30 s
- Delay Error: $\pm 8\%$
- Type: 3/2-Way, Inner Air Reset
- Transfer Time: 30 ms

21. Pressure Sequence Valve

Qty: 1

- Operating Pressure: 1 – 8 bar
- Controlled/Free Flow Area: 10 mm²
- One-Way Valve Opening Pressure: 0.3 bar
- Leakage Rate: 50 L/min
- Response Time: 0.3 s
- Adjustable Pressure Setting Screw Included

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