

Parker Product Datasheet



Piloted non-return valves are designed to protect installations. When the compressed air supply is removed, the non-return valves will lock the air supply to the cylinder. As a result, the cylinder will maintain its position.

PART NUMBER: 7894 12 21

SHAPE: Piloted non-return valve with flow regulator and exhaust

CONNECTION 1 SIZE: G1/2

CONNECTION 1 TYPE: Male BSPP

CONNECTION 2 TUBE OUTSIDE DIAMETER: 12 mm

PRODUCT OVERVIEW

Piloted non-return valves are designed to protect installations. When the compressed air supply is removed, the non-return valves will lock the air supply to the cylinder. As a result, the cylinder will maintain its position. This all-in-one product combines 3 functions for the control and supply, allowing you to optimise your stocks and save time on installation and maintenance operations.

Features/Benefits:

- System Protection

- Protection of your system
- Control of inlet and outlet flow: cylinder operation optimised
- Vent saves time on restart after maintenance operations (model 7894)

- 3 Functions in 1 Product

- A multi-purpose fitting:
Piloted non-return valve
Flow control regulator
Manual exhaust
- All-in-one product: integrated fittings for the control and supply

- Flexible Operation:

- Orientable and adjustable through 3 axes
- Can be integrated into any installation configuration
- Push-in connection for quicker and more reliable installation
- Mounted in pairs directly on the cylinder

Markets:

- Factory Automation
- Vehicle Assembly Facilities
- Food and Beverage
- Semiconductor
- Wearing Apparel
- Packaging Machinery
- Rail

Applications:

- Pneumatic Cylinder Control
- Pneumatic Circuits Safety

Technologies:

- Flow control regulator
- Control valve
- Function fittings
- Venting operation
- Pressure regulator
- Pneumatic system

Technical Characteristics:

- Fluids: Compressed Air
- Materials: nickel-plated brass, stainless steel, NBR, technical polymer, silicone-free
- Pressure: Vacuum to 10 bar
- Temperature: -5°C to +60°C
- Cracking pressure: 0.3 bar

Regulations:

- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)
- DI: 97/23/EC (PED)

Product Types:

- Piloted Non-Return Valve, Male BSPP Thread
- Piloted Non-Return Valve with Flow Regulator and Exhaust, Male BSPP Thread
- Unequal Tee

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	10 bar
MINIMUM OPERATING TEMPERATURE	-5 °C
SPECIFICATIONS MET	ROHS, PED, REACH
MEDIA	Compressed air
BODY MATERIAL	TECHNICAL POLYMER
PRODUCT TYPE	Piloted Non-Return Valves
O-RING MATERIAL	NBR
GRIPPING RING MATERIAL	STAINLESS STEEL
WEIGHT	0.237 kg

INDUSTRY APPLICATION

Pneumatics, Assembly, Robotics, Machine Tools,
Packaging, Handling, Automotive Process

QUANTITY PER BOX

1

PILOT PORT TYPE

Push to connect : OD 4 mm