

Parker Product Datasheet



Blocking fittings, mounted in pairs on a cylinder, lock the piston by simultaneously cutting off the supply and exhaust when the pilot signal is removed.

PART NUMBER: 7880 10 17

SHAPE: Blocking fitting male

CONNECTION 2 TYPE: Female BSPP

CONNECTION 2 TUBE OUTSIDE DIAMETER: 10 mm

CONNECTION 2 THREAD SIZE: G3/8

PILOT PORT TYPE: Push to connect : OD 4 mm

CONNECTION 1 THREAD SIZE: G3/8

PRODUCT OVERVIEW

Blocking fittings, mounted in pairs on a cylinder, lock the piston by simultaneously cutting off the supply and exhaust when the pilot signal is removed. Those blocking fittings are suitable for most demanding environments. By design, those fittings ensure optimum flow, security and durability without any effect on the performance of the cylinder.

Features/Benefits:

- Optimum Performance
- Optimum flow: no effect on the performance of the cylinder
- Compact size
- Fully orientable for excellent flexibility in circuit installation
- 100% leak-tested in production

- Date coding to guarantee quality and traceability

- Robust

- Suitable for the most demanding environments
- Excellent corrosion and spark resistance to salt spray and sparks (threaded models)
- Proven push-in technology
- Tried and tested durability according to DI 2006/42/CE

Markets:

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

Applications:

- Pneumatic Cylinder Control
- Pneumatic Circuits Safety

Technologies:

- Stop-cylinder fittings
- Blocker fittings
- Locking fittings
- Flow control
- Air compressor fittings
- Pneumatic actuator

Technical Characteristics:

- Fluids: Compressed Air
- Materials: Polymer, NBR, nickel-plated brass, stainless steel
- Pressure: Vacuum to 10 bar
- Temperature: -20°C to +70°C

Regulations:

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

Product Types:

- Blocking Fitting, Male BSPP Thread
- Blocking Fitting, Male BSPT Thread
- Blocking Fitting, Male/Female BSPP Thread
- Blocking Fitting, Male/Female BSPT Thread
- Blocker/Flow Regulator, Male BSPP Thread

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	70 °C
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	10 bar
MINIMUM OPERATING TEMPERATURE	-20 °C
SPECIFICATIONS MET	ROHS, PED, REACH
MEDIA	Compressed air
BODY MATERIAL	NICKEL PLATED BRASS
CONNECTION 1 TYPE	Male BSPP
PRODUCT TYPE	Blocking Fittings
THREAD SEALANT MATERIAL	na
O-RING MATERIAL	NBR
GRIPPING RING MATERIAL	STAINLESS STEEL
WEIGHT	0.21 kg

INDUSTRY APPLICATION

Robotics, Machine Tools, Textile, Packaging, Pneumatics,
Automotive Process

QUANTITY PER BOX

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