

Parker Product Datasheet



This range of valves has patented seal wear compensating technology for reliable and durable sealing, protecting any system whether under pressure or vacuum.

PART NUMBER: 0489 18 27
SHAPE: 3/2 in-line vented ball valve female
PRODUCT TYPE: Universal Series, Vented
BALL MATERIAL: na
NUT MATERIAL: na
SLEEVE MATERIAL: na
CONNECTION 2 TUBE O.D. (MM): na
DIAMETER NOMINAL (DN): 18
CONNECTION 1 THREAD SIZE (METRIC): G3/4 G1/4
HANDLE: ZAMAK
CONNECTION 1 THREAD STYLE: BSPP

PRODUCT OVERVIEW

This range of valves has patented seal wear compensating technology for reliable and durable sealing, protecting any system whether under pressure or vacuum.

Features/Benefits:

- Durability & reliability

- Automatic seal wear compensation for long-term reliability
- Robust, corrosion-resistant materials
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

- Versatility & Performance

- Ideal for ensuring the performance of pneumatic circuits
- Customised valves for all special applications
- Unequalled performance under vacuum
- Smooth operation thanks to self-lubricating seals
- Large range of working pressures and temperatures
- Lever can be repositioned and replaced
- Many configurations to satisfy all system requirements

Markets:

- Packaging
- Wearing Apparel
- Lumber & Wood
- Rubber & Tire Processing
- Plastic Processing
- Rail

Applications:

- Allow/Stop Fluid Circulation on Industrial Circuits
- Suitable for Slightly Corrosive Industrial Fluids
- Suitable for Vacuum Applications

Technologies:

- Industrial valves
- Corrosion resistant
- Pneumatic circuits
- Pneumatic systems

Technical Characteristics:

- Fluids: Industrial fluids
- Materials: brass, galvanised steel, treated zamak, NBR, nickel-plated brass, nickel-plated shot-blasted brass, nickel-plated polished brass, silicone free
- Pressure: Vacuum to 40 bar
- Temperature: -20°C (-40°C without movement of the handle) to +80°C

Regulations:

- DI: 97/23/EC (module PED A - diameters greater than 25 mm)

- DI: 2006/42/EC (Machinery Directive)
- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)

Product Types:

- 2/2 In-Line Ball Valve, Female BSPP Thread
- 2/2 In-Line Ball Valve, Male/Female BSPP Thread
- 2/2 In-Line Ball Valve, Male BSPP Thread
- 2/2 In-Line Ball Valve with Connections for Use with Steel Tube
- 2/2 In-Line Ball Valve with Compression Connections
- 2/2 In-Line Panel-Mountable Ball Valve, Female BSPP Thread
- 2/2 In-Line Ball Valve for Screw Fixing, Female BSPP Thread
- 2/2 In-Line Ball Valve for Screw Fixing, Male/Female BSPP Thread
- 2/2 Right-Angled Ball Valve, Female BSPP Thread
- 2/2 Right-Angled Ball Valve, Male/Female BSPP Thread
- 3/3 Right-Angle Ported Ball Valve, Female BSPP Thread
- 3/3 Right-Angle Ported Ball Valve without Closed Position, Female BSPP Thread
- 3/2 Panel-Mountable Right-Angled Ball Valve, Female BSPP Thread
- 3/2 Panel-Mountable Equal Plane Ball Valve, Female BSPP Thread
- 3/2 In-Line Vented Ball Valve, Female BSPP and Metric Thread
- 3/2 Panel-Mountable In-Line Ball Valve, Female BSPP and Metric Thread
- 3/2 In-Line Vented Ball Valve, Female BSPP Thread
- 3/2 Right-Angled Ball Valve with Vent, Female BSPP Thread

- 3/2 Right-Angled Ball Valve with Vent, Male/Female BSPP Thread
- 2/2 In-Line Lockable Ball Valve, Female BSPP Thread
- 3/2 In-line Vented Lockable Ball Valve, Female BSPP Thread
- 3/2 In-Line Lockable Ball Valve with Threaded Exhaust Port, Female BSPP and Metric Thread
- 3/2 In-line Vented 3-Point Lockable Ball Valve, Female BSPP Thread
- 3/2 Right-Angled 3-Point Lockable Ball Valve, Female BSPP Thread

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	80 °C
DIVISION	Low Pressure Connectors Europe Division
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	Vacuum to 40 bar
MAXIMUM OPERATING PRESSURE	Vacuum to 4 MPa
MAXIMUM OPERATING PRESSURE	Vacuum to 580.16 psi
FLOW RATE	n/a L/min
MINIMUM OPERATING TEMPERATURE	-4 °F
MINIMUM OPERATING TEMPERATURE	up to -40 °C (-40°F without movement of the handle)
MINIMUM OPERATING TEMPERATURE	-20 °C
FOR FLUID TYPE	Inert Gases
FOR FLUID TYPE	Air
FOR FLUID TYPE	Water
INDUSTRY	Industrial Manufacturing Equipment

SPECIFICATIONS MET	DI: 97/23/EC (module PED A - diameters greater than 25 mm)
SPECIFICATIONS MET	RoHS
SPECIFICATIONS MET	REACH
SPECIFICATIONS MET	DI: 2006/42/EC (Machinery Directive)
REGION OF ORIGIN	France
CONNECTION TYPE	BSPP
SHAPE	Inline
APPLICATION	Pneumatics
APPLICATION	Fluid Control
APPLICATION	Safety
APPLICATION	Process Control
BRAND	Legris
TECHNOLOGY	Fluid & Gas Handling
TECHNOLOGY	Process Control
TECHNOLOGY	Pneumatics
CONNECTION SIZE	G3/4
PRODUCT STYLE	Vented Female Ball Valve
BODY MATERIAL	Nickel-Plated Brass
PRODUCT SERIES	Universal Series
PRODUCT TYPE	Ball Valves
O-RING MATERIAL	NBR
SEAL MATERIAL	NBR
WEIGHT	1.477 lb
WEIGHT	0.670 kg
MAXIMUM FLOW RATE	n/a L/min
MOUNTING TYPE	Inline

FUNCTION	2-Way
ACTUATION TYPE	Manual
ORIFICE SIZE	18 mm
OPERATION TYPE	Lever-operated
CONFIGURATION	3/2
SEAT MATERIAL	Rilsan Graphited
HANDLE TYPE	Red
HANDLE TYPE	Long Lever (ZAMAK)
QUANTITY PER BOX	1
STEM MATERIAL	Brass
STEM SEAL MATERIAL	NBR
BALL SEAL MATERIAL	NBR