

Parker Product Datasheet



Stainless steel series ball valves can withstand corrosive fluids and environments. With full flow, high pressure and temperature capabilities, these valves are suitable for many applications.

PART NUMBER: 4812 20 27
SHAPE: 2/2 in-line stainless steel fixing ball valve female
BODY MATERIAL: STAINLESS STEEL 316L
BALL MATERIAL: na
BALL SEAL MATERIAL: na
CONNECTION 1 THREAD SIZE (METRIC): Rp3/4

PRODUCT OVERVIEW

Stainless steel series ball valves can withstand corrosive fluids and environments.

With full flow, high pressure and temperature capabilities, these valves are suitable for many applications.

Features/Benefits:

- Reliability
- Full flow
- Excellent chemical compatibility
- High resistance to pressure/temperature
- Light series version: 100% leak-tested in production, date coding to guarantee quality and

traceability

- Versatility

- Three in-line versions:

One-piece: cannot be disassembled

3-piece: easily disassembled for maintenance and cleaning

Light Series: for maximum compactness

- Fixing plate: 4812 and 4832

Through-bulkhead fitting

Pneumatic or electronic actuation (ISO 5211 standard)

Markets:

- Food and Beverage
- Commercial Aircraft
- Industrial Chemical Processing
- Semiconductor
- Medical
- Lab / Diagnostic
- Pharmaceutical

Applications:

- Allow/Stop Corrosive Fluid Circulation in Harsh Environment
- Suitable for Low and High Temperatures

Technologies:

- Industrial valves
- Pneumatic actuation
- Electric actuation

Technical Characteristics:

- Fluids: All fluids
- Materials: nickel-plated brass or 430 stainless steel, 316L stainless steel or 303 stainless steel, PTFE, FKM, silicone free
- Pressure:
Type 4810, 4812 and 4832: 0 to 65 bar

Type 0465: Vacuum to 20 bar

- Temperature:

Type 4810, 4812 and 4832: -20°C to +150°C

Type 0465: -20°C to +120°C

Regulations:

- DI: 97/23/EC (module PED A - EC diameters greater than 25 mm)
- DI: Machinery Directive 2006/42/EC
- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)
- DI: 89/392/EC

Product Types:

- 2/2 In-Line 3-Piece Ball Valve with Fixing Plate, Female BSPP Thread
- 2/2 In-Line Ball Valve with Fixing Plate, Female BSPP Thread
- 2/2 In-Line Ball Valve, Female BSPP Thread
- 2/2 In-Line Light Series Ball Valve, Female BSPP Thread

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	150 °C
MAXIMUM OPERATING TEMPERATURE	302 °F
DIVISION	Low Pressure Connectors Europe Division
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	105 bar
MAXIMUM OPERATING PRESSURE	1523 psi
MAXIMUM OPERATING PRESSURE	10.5 MPa
FLOW RATE	n/a L/min
MINIMUM OPERATING TEMPERATURE	-20 °C

MINIMUM OPERATING TEMPERATURE	-4 °F
FOR FLUID TYPE	Inert Gases
FOR FLUID TYPE	Water
FOR FLUID TYPE	Air
INDUSTRY	Industrial Manufacturing Equipment
SPECIFICATIONS MET	n/a
REGION OF ORIGIN	Italy
CONNECTION TYPE	BSPP
SHAPE	Inline
APPLICATION	Petrochemical
APPLICATION	Medical
APPLICATION	Process Control
APPLICATION	Laboratories
APPLICATION	Semiconductors
APPLICATION	Pneumatics
APPLICATION	Fluid Control
APPLICATION	Aviation
APPLICATION	Safety
APPLICATION	Pharmaceutical
APPLICATION	Chemical
BRAND	Legris
TECHNOLOGY	n/a
CONNECTION SIZE	Rp3/4
PRODUCT STYLE	Female Ball Valve
BODY MATERIAL	Stainless Steel 316L
PRODUCT SERIES	Stainless Steel Series

PRODUCT TYPE	Ball Valves
BALL MATERIAL	Stainless Steel 316L
O-RING MATERIAL	PTFE
SEAL MATERIAL	PTFE
GRIPPING RING MATERIAL	Stainless Steel
WEIGHT	0.574 kg
WEIGHT	1.2628 lb
MOUNTING TYPE	Inline
FUNCTION	2-Way
ACTUATION TYPE	Manual
ORIFICE SIZE	20 mm
OPERATION TYPE	Lever-operated
CONFIGURATION	2/2
SEAT MATERIAL	PTFE
HANDLE TYPE	Long Lever (Stainless Steel)
HANDLE TYPE	Blue
QUANTITY PER BOX	1
STEM MATERIAL	Stainless Steel 316L
STEM SEAL MATERIAL	PTFE