

Stop Valves

Flanged, High-Pressure, TPED

Description

N62 is a body ported, non-rising stem, balanced stop valve. It is ideal for use with non-oxidising and non-corrosive gases in high pressure applications (up to 500bar) where tight shut off is required.

The pressure balanced spindle prevents the process pressure from loading the operating thread. This means that handwheel torque is low even at the maximum operating pressure of the valve. A visual/tactile indicator shows when the valve is open.

Connection is via flanged adaptors which either have industry standard threaded ports or profiles suitable for brazing or welding to pipework. We can provide adaptors to special requirements on request.

N62 is "Pi marked" and may be used as a primary closure for transportable pressure vessels (e.g. cylinder banks on trailers).

Features

- Conforms to Transportable Pressure Equipment Directive 2010/35/EU (TPED) and ADR
- Meets the requirements of BS EN ISO 10297:2006
- Polymer seat provides tight shut off.
- Connection via adaptors which either have industry standard threaded ports or can be brazed or welded to pipework.



Standard Materials

- Body: Stainless Steel
- Port adaptors: see adaptor data sheet
- Seat: PEEK
- Back up rings: PEEK
- Piston: Stainless Steel

In addition to our standard product range, we have an extensive range of special designs and offer a custom build service. Contact our Sales office if you don't see what you want in our catalogue.

The information contained within this catalogue is for reference purposes only and is subject to change.

When selecting a product, the total system design must be considered to ensure safe, trouble free performance. Component function, material compatibility, adequate ratings, proper installation, operation and maintenance are the responsibility of the system designer and user.

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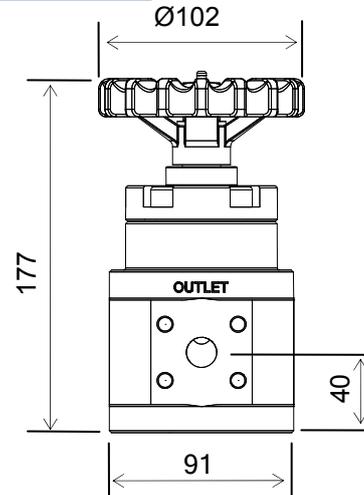
N62 Mk1

Typical Dimensions

in mm except where shown otherwise

Specification

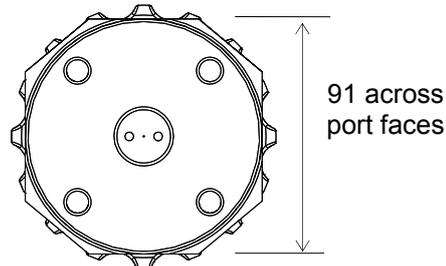
- Max. Working pressure: up to 500 bar (7250 psi)
Some adaptors may have a lower pressure rating - see adaptor data sheet
- Flow factor (Cv): approx. 6
- Nominal Bore: 15 mm
- Port Adaptors: see adaptor options. Other port adaptors can be supplied
- Temperature range: -20 to +70°C
- Weight: approx. 6kg



Installation

The valve may be supported by its connecting pipework. Mounting holes are also provided as shown.

4 holes
M10x1.5
20mm deep
on 72PCD



Spares & Tools

The full spares kit contains the parts that we recommend are changed at regular intervals. The adaptor mounting kit contains the parts required to fit one port adaptor. Please request Service Instruction SI1469 for details on maintenance.

Complete kit K2636
Adaptor mounting kit K2270

Adaptor Options

Various port adaptor flanges are available. Please see the separate data sheet.

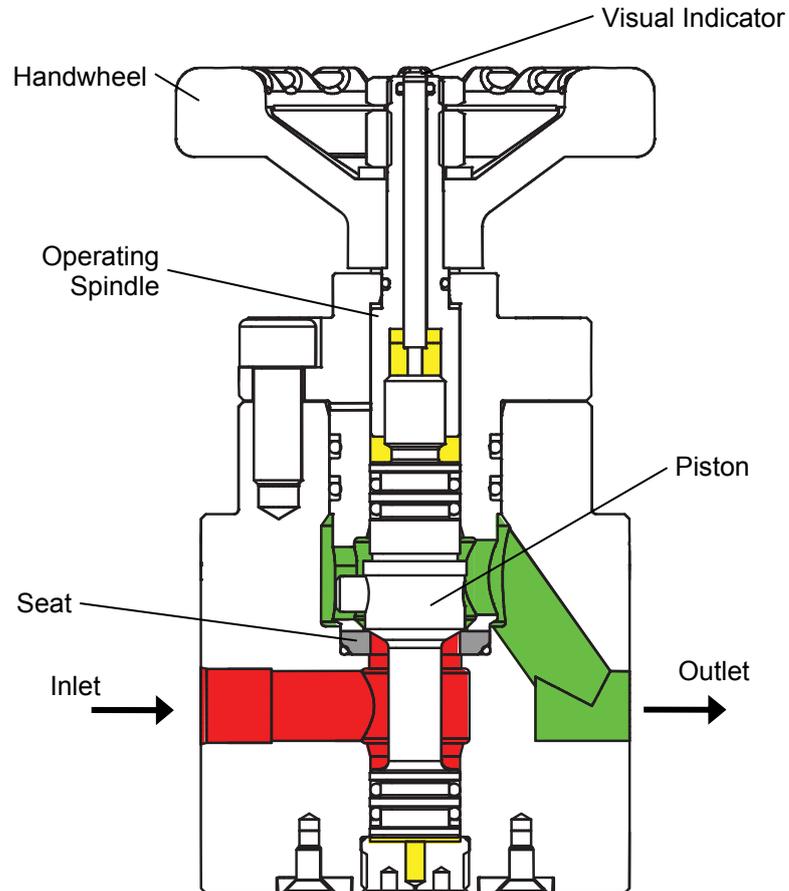
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How it Works



When the spindle is rotated by means of the handwheel, the piston moves vertically. The spindle has a left hand thread so the piston rises to open the valve when the handwheel is rotated clockwise. The piston is fully pressure balanced to minimise the load on the spindle.

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