

- > **Port size: G1**
- > **Robust design**
- > **Reliable operation for more than 20 years if maintenance program is being followed**
- > **Options are designed to tailor or customize D162 to application needs, hence increasing overall efficiency**
- > **Designed and built according PED 97/23/EC**



Technical features

Ideal for variable inlet pressure and environmental temperature the D162 maintains stable downstream pressure control. The heavy duty construction makes the D162 perfect for arduous conditions and harsh environments. Suitable for medium and high pressure.

Applications:

- Gas distribution/mixing
- Pressure test rigs
- Marine industries
- Off shore / aggressive environments
- Oxygen use approved
- Compressor regulation
- Air, O₂, CH₄ compressor

Medium:

Any gases, air, N₂, O₂, Ar, H₄, H₂, C₂H₂, CO₂, N₂O or some liquids

Maximum inlet pressure:

250 barg (3625 psig)

350 barg (5076 psig)

Outlet pressure range:

5 ... 220 barg (72 ... 31-90 psig)

Flow rate indication:

Flow rate indication is given for an equivalent flow with air, in sonic conditions ($P_1 > 2P_2$), which is 48 Nm³/h per Bar of absolute pressure downstream (internal Ø 10 mm and ports 1").

Leakage:

Helium leak tested:

Internal leak tight: $>10^{-3}$ mbar.l/sec

External leak tight: $>10^{-4}$ mbar.l/sec

Helium leak tested to 10^{-8} atm.cm³/sec⁻¹ (on request)

Weight:

7 kg

Ambient/Media temperature:

-20 ... +50°C (-4 ... +122°F)

Note:

Suggested filter:

F545L Option 1006

F545I Option 1006

Union fitting 3 pieces: T1568 G1" or T1569 G1 (SS mainly)

Materials:

Body: Brass or stainless steel

Valve insert: PCTFE, Peek or Teflon

Seat: Stainless steel

Option selector

D162★56N★I★

Main material	Substitute
Brass	L
Stainless steel	I
Max. inlet pressure	Substitute
250 barg	L
350 barg	Q
Elastomer	Substitute
NBR	N
Valve material	Substitute
PCTFE	K
Peek	P
Teflon	T

Main options	Substitute
Valve with PTFE guide rings	1685
New standard version	
Valve assembly DN 5 from D083	1123

Option selector service kits

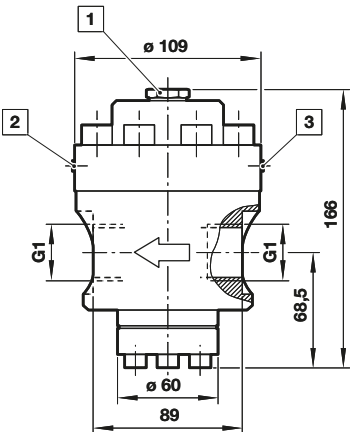
Service kit	Substitute
Complete repair and maintenance kit with valve assembly	K
*O'rings only	J

★D162★★★★★

Manufacture code	Substitute
Norgren internal use	
Elastomer	Substitute
NBR	N

Dimensions

Dimensions in mm
Projection/First angle



- 1 Dome filling or gauge port
- 2 Venting port
- 3 Dome filling port

Warning

Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, IMF sas.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.