Proportional reducer D466

Classification according Article 3.3 of European Directive n°97/23/CE from 29/05/1997

Main material | Brass (L)
Threaded ports | 1/4" BSPP ***
Internal diameter | Ø 4 mm
Valve insert material | Nitrile (N) – Viton (V)
EPR (E) **
Seat material | Brass (L)
Max inlet pressure | 100 bar (G)

** EPR = Ethylene propylene
*** IMF also propose upon request a version with base fitting

Internal leak tight : Min 10-3 mbar.l/s in Helium
(valve/seat)

External leak tight : Min 10-4 mbar.l/s in Helium

Air flow by bar absolute of outlet pressure in sonic phase (P. inlet > 2 x P. outlet):
- Outlet port 1/4": 2,8 Nm3/h

For a flow value in subsonic phase (P. inlet <= 2 x P. outlet), please contact us.

Flow correction in Nm3/h report to Air value:

\[
Q_{gaz} = Q_{air} \sqrt{\frac{\rho_{air}}{\rho_{gaz}}} \quad (\rho = \text{volume mass})
\]

Advised fittings: T1847 1/4" BSPP

Weight: 1.5 kg

Main options:

Outlet pressures calibration ranges | Code
---|---
0 to 1 bar | 89
0 to 10 bar | 88
0 to 20 bar | 82
0 to 40 bar | 83
0 to 60 bar | 87
0 to 100 bar | 86

Hysteresis et reliability: < 1% of the max outlet pressure range
Functioning temperature: - 20 ºC / + 50 ºC
Response delay: < 50 ms
Consumption maxi: < 1 A

Flow and KV values are given as a rough guide.
IMF reserves the right to modify its manufacturing without advance notice.
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Male base connector
View from weld side

Power supply +24 Vdc
Output signal 4...20 mA ou 0...10 V
Earth power supply
Earth output signal
Input signal 4...20 mA ou 0...10 V
Earth input signal
### Main options for D466

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<th>Option 2</th>
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<td>1722</td>
<td>3 ways regulator with base fitting</td>
<td>Power supply 24 VDC – Input and output signals 0-10 V</td>
<td>Numeric CMS card – Integrated outlet pressure sensor</td>
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<tr>
<td>1726</td>
<td>3 ways regulator</td>
<td>Power supply 24 VDC – Input and output signals 0-10 V</td>
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<td>1798</td>
<td>3 ways regulator</td>
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<td>3 ways regulator with base fitting</td>
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*** Not exhaustive list