Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (2017 - 9217b) © 2020 Norgren Ltd

T82T - 3/2 shut-off valve
Excelon® Plus Modular System

- Port size: 1/4" ... 3/8" (ISO G/PTF)
- Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- 3/2 way function
- Threaded exhaust port
- Lockable in closed position with padlock

Technical features

Medium: Compressed air only
Maximum supply pressure: 17 bar (246 psi)
Port size: G1/4, G3/8, 1/4 PTF, 3/8 PTF

Flow:
- 45 dm³/s at port size 1/4",
- 41 dm³/s at port size 3/8",
- Inlet pressure 10 bar (145 psi),
- 6.3 bar (91 psi) set pressure and a Δp: 0.5 bar (7.25 psi) droop from set.
- Exhaust flow: 1.54 dm³/s.

Ambient/Media temperature: -20 ... +65°C (-4 ... +149ºF)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

AteX:
Shut-off valves T82 are in conformity with ATEX 2014/34/EU
II 2 GD
Ex h IIC T6 Gb
EX h IIIC T85°C Db

Materials:
Body: Die cast aluminium
Body covers: ABS
Elastomers: NBR
Valve: Brass

Technical data T82T—standard models

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port Size</th>
<th>Function</th>
<th>Exhaust Port</th>
<th>Weight (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G1/4</td>
<td>3/2</td>
<td>G1/4</td>
<td>0.20</td>
<td>T82T-2GA-B1N</td>
</tr>
<tr>
<td></td>
<td>G3/8</td>
<td>3/2</td>
<td>G1/4</td>
<td>0.20</td>
<td>T82T-3GA-B1N</td>
</tr>
</tbody>
</table>

Option selector

Function | Substitute
---|---
3/2 | T

T82T- ▲ ▲ A-B1N

Thread form | Substitute
---|---
PTF | A
ISO G (standard) | G
Port size | Substitute
1/4" | 2
3/8" | 3
Flow characteristics

Port size: 1/4"

Port size: 3/8"

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Accessories

Wall mounting bracket
Page 4
820024-50KIT

Quikclamp®
Page 4
820014-51KIT

Quikclamp® with bracket assembled
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820014-52KIT

Pressure sensing block 1/4 PTF
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820016-50KIT

Pressure sensing block G1/4
Page 5
820016-51KIT

Full flow porting block 3/8" PTF
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820028-50KIT

Full flow porting block G3/8
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820028-53KIT

Pressure switch interface block (18D pressure switch)
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0523109000000000

Pneumatic pressure switch 18D (0.5 ... 8 bar) *(1)
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0881300

Digital pressure switch 51D (-1 ... 10 bar) *(2)
Page 5
0860810

Connector B4-82 Series *(3)
Page 7
4417-01

Port Adaptors 1/4 PTF
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820015-02KIT

Port Adaptors 3/8 PTF
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820015-03KIT

Port Adaptors G1/4
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820015-04KIT

Port Adaptors G3/8
Page 5
820015-09KIT

Padlock
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840055-01KIT

Lockout device
Page 5
840055-02KIT

Porous plastic silencer *(3)
Page 5
MS002A

Silencer

Porous plastic silencer *(3)
Page 5
001460000000000

Porous plastic silencer *(3)
Page 5
M/52

*1) Flanged version. For other pressure ranges, please see data sheet 5.11.001

*2) For other pressure ranges, please see data sheet 5.11.385

*3) For connection please use Quikclamp B2 series and Hybrid-Quikclamp B4 series

*3) Max. pressure of silencers listed in this data sheet: 10 bar. For pressure higher than 10 bar please contact IMI Norgren
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Dimensions

Dimensions in mm
Projection/First angle

Main ports 1/4" or 3/8" ISO G/PTF
Exhaust Port Rc1/4 or 1/4 PTF
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Warning

These products are intended for use in industrial compressed air systems only. 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 Norgren Ltd.

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.