

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
-  DoC in accordance with 2014/34/EU/ATEX



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),
6.3bar (91psi) 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 ... +149°F)
Air supply must be dry enough
to avoid ice formation at
temperatures below +2°C (+35°F).

Materials:

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

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

Technical data T82T—standard models

Symbol	Port Size	Function	Exhaust port	Weight (kg)	Model
	G1/4	3/2	G1/4	0,20	T82T-2GA-B1N
	G3/8	3/2	G1/4	0,20	T82T-3GA-B1N

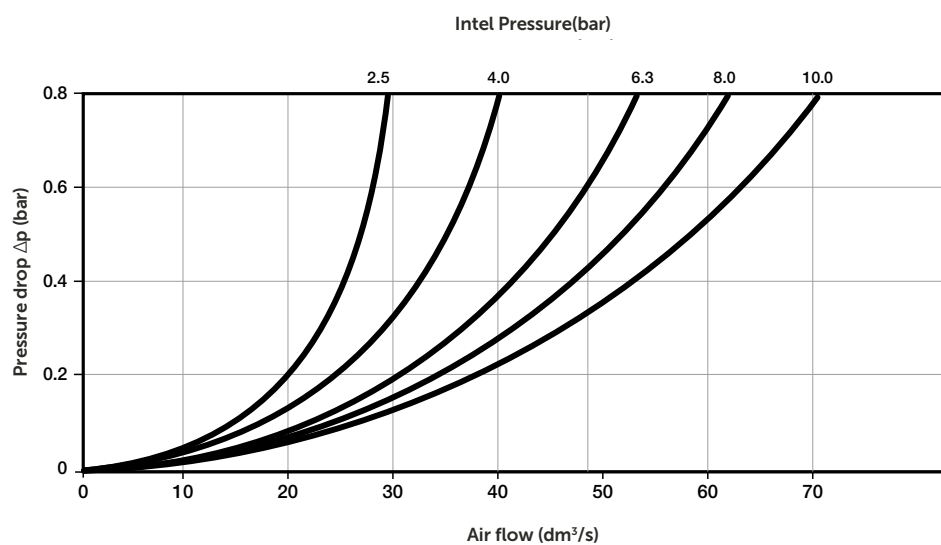
Option selector

T82T-★★ A-B1N

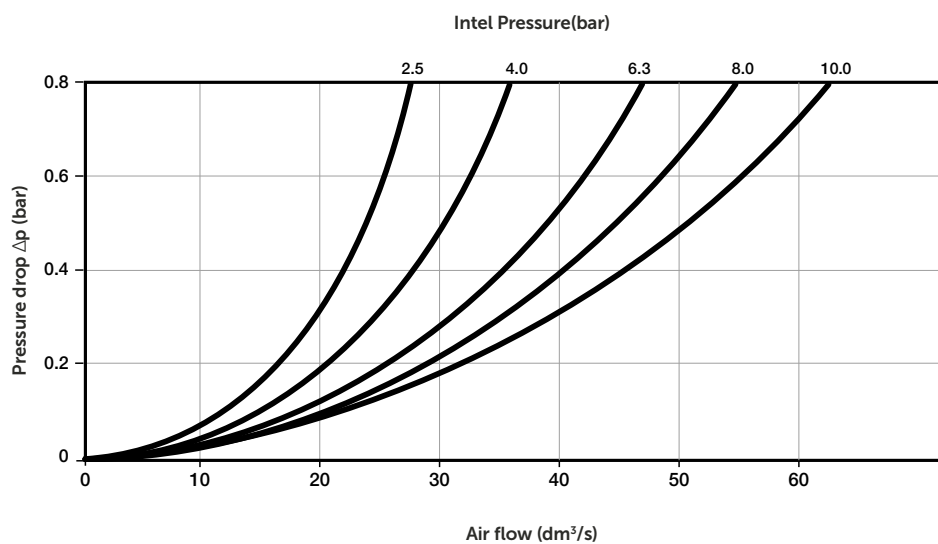
Function	Substitute	Thread form	Substitute
3/2	T	PTF	A
		ISO G (standard)	G
		Port size	Substitute
		1/4"	2
		3/8"	3

Flow characteristics

Port size: 1/4"



Port size: 3/8"



Accessories

Wall mounting bracket



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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



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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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Pneumatic pressure switch
18D (0,5 ... 8 bar) *1)



Page 5

0881300

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



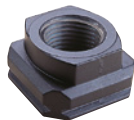
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*1) Flanged version. For other pressure ranges, please see data sheet 5.11.001

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

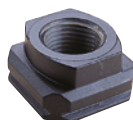
Port Adaptors
1/4 PTF



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820015-02KIT

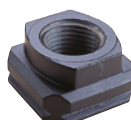
Port Adaptors
3/8 PTF



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820015-03KIT

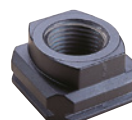
Port Adaptors
G1/4



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820015-08KIT

Port Adaptors
G3/8



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820015-09KIT

Padlock

Padlock



840055-01KIT

Lockout device



840055-02KIT

Silencer

Porous plastic silencer *3) G1/4



M/S2

Porous plastic silencer *3) G1/4



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Sinter bronze silencer *3) G1/4



T40C2800

Porous plastic silencer *3) 1/4 PTF

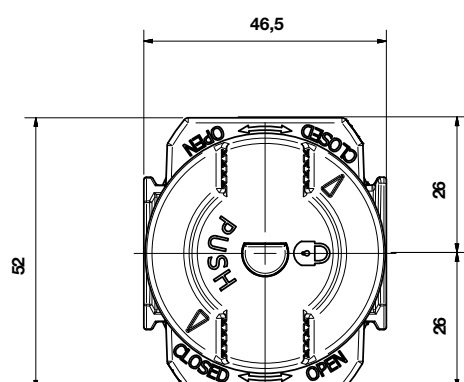
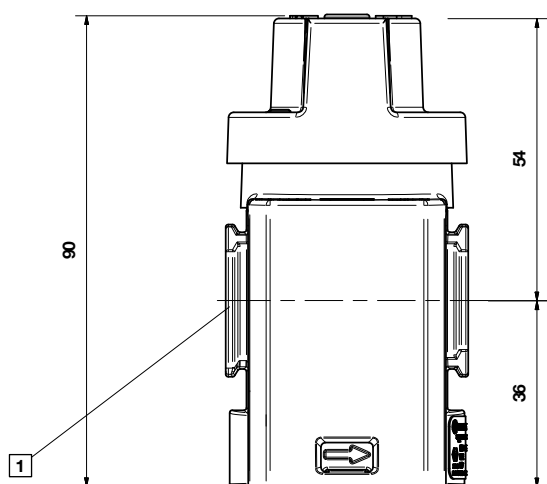
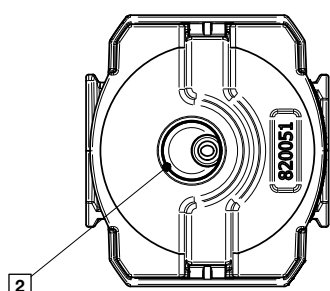


MS002A

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

Dimensions

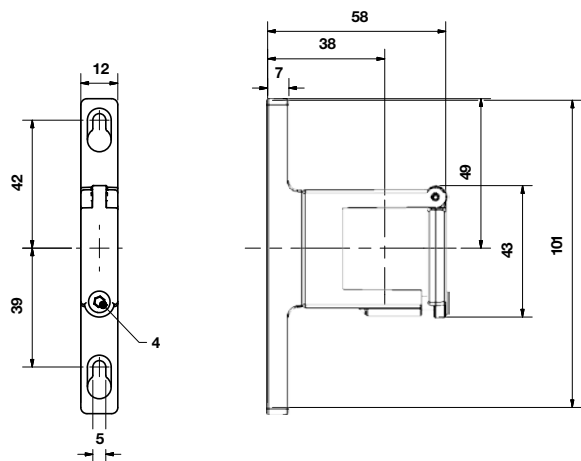
Dimensions in mm
Projection/First angle



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

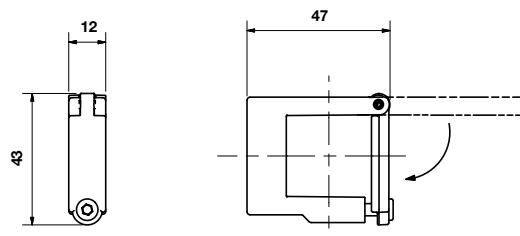
Accessories

Quikclamp with wall bracket

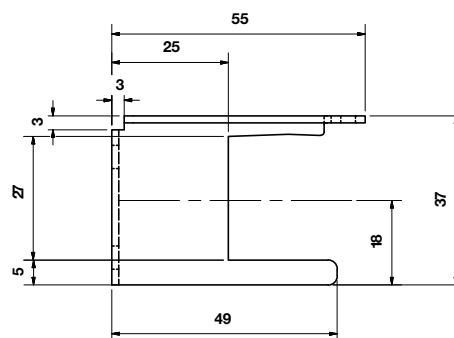
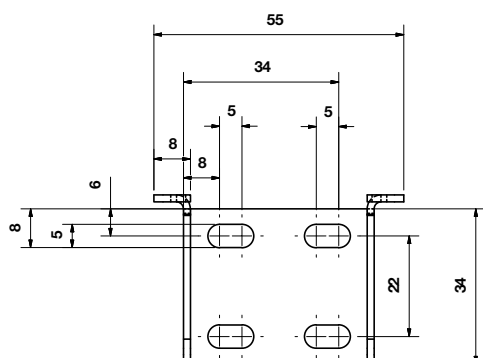


Quikclamp

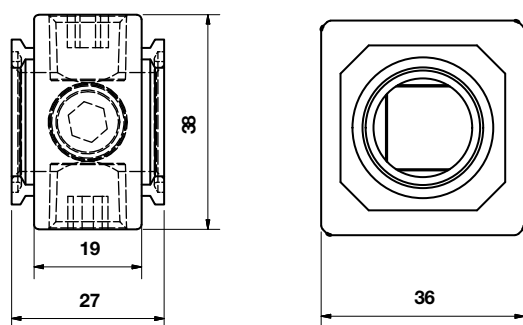
Dimensions in mm
Projection/First angle



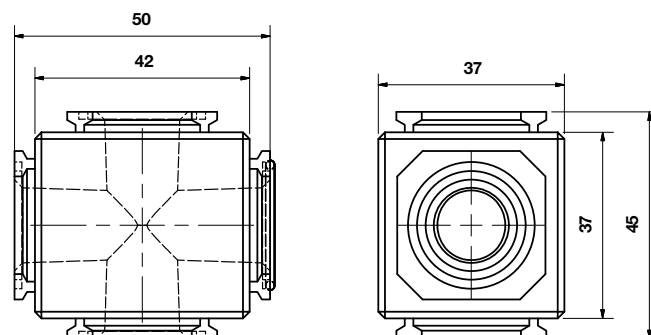
Wall Mounting bracket



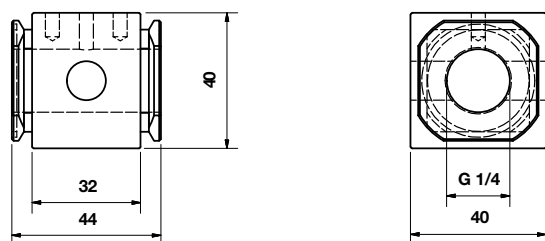
Pressure sensing block



Full flow portiang block

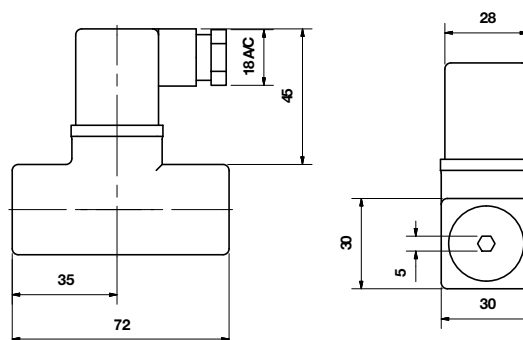


Porting block

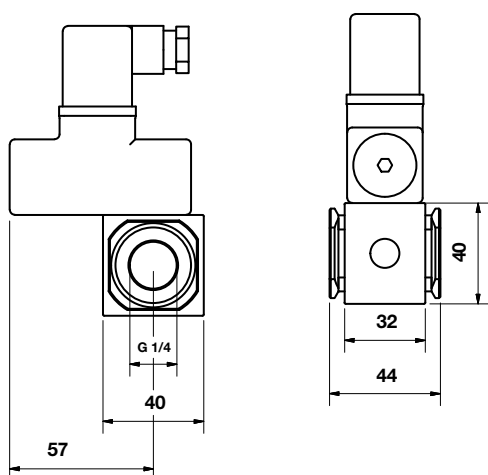


18D Pressure switch

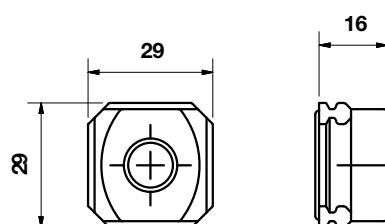
Dimensions in mm
Projection/First angle



18D Porting block and 18D assembled

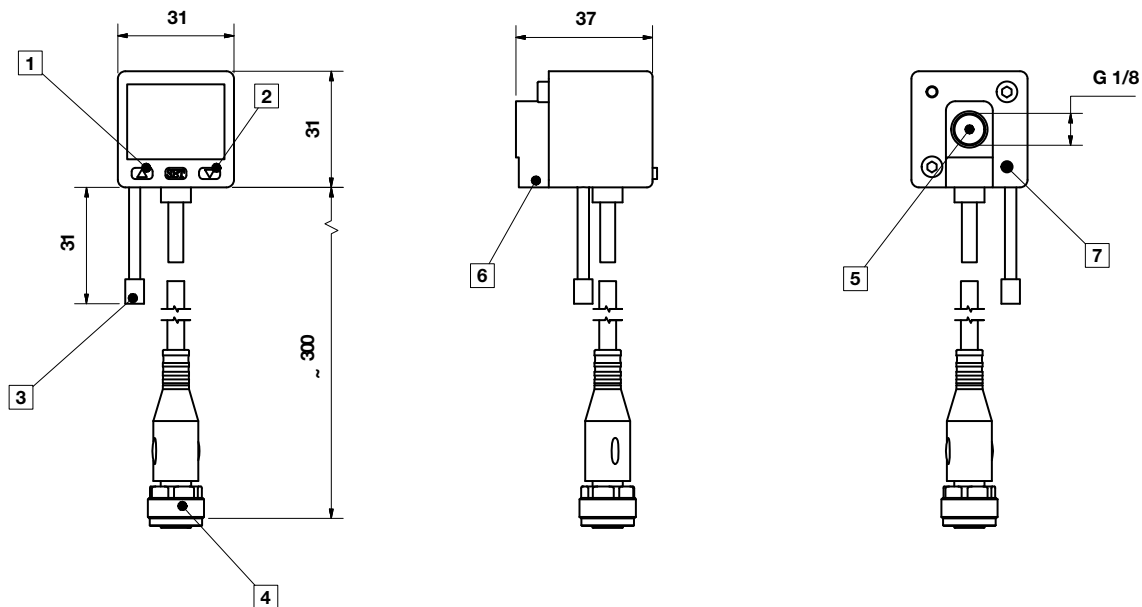


Pipe adaptor



51D Pressure switch - digital

Dimensions in mm
Projection/First angle



- 1 Switch OUT 1, green LED
- 2 Switch OUT 2, red LED
- 3 Dustproof protector
- 4 Connector M12 x 1
- 5 Inlet port
- 6 Alternative inlet port G1/8 plugged
- 7 Thread for mounting screw

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.