

Inlet Elements with LS connections

TE-03-__-

RE 18300-03

Edition: 01.2024

Replaces: 02.2016



Description

The inlet elements TE-03-__ are employed to connect the external P, T lines to the P, T channels inside the ED elements of the Directional Valve Assembly and to connect to the LS ports of the elements equipped with LS channels. The TE-03-__ inlet elements are available in two versions:

- Body made of Black Anodized Aluminium (AL), or
- Body made of Yellow Zinc plated (Cr+3) Cast Iron (CI).

Port sizes can be G 3/8, G 1/2 or SAE 8 (3/4" 16 UNF)
LS ports are G 1/4 for BSPP versions, and SAE 4 (7/16" 20UNF 2B) for "UNF" versions.

Technical data

General			
Inlet Element Type		AL Version	CI Version
TE-03-02-00	kg (lbs)	0.36 (0.80)	0.98 (2.16)
TE-03-03-00	kg (lbs)	0.40 (0.90)	1.01 (2.23)
TE-03-56-00	kg (lbs)	0.40 (0.90)	Not available
Ambient Temperature	°C (°F)	-20....+50 (-4....+122) (NBR seals)	
Hydraulic			
Maximum pressure for aluminium version (AL)	bar (psi)	250 (3625)	
Maximum pressure for Cast Iron version (CI)	bar (psi)	310 (4500)	
Maximum inlet flow	l/min (gpm)	50 (13.2)	
Hydraulic fluid	Mineral oil based hydraulic fluids HL (DIN 51524 part 1).		
General properties: it must have physical lubricating and chemical properties suitable for use in hydraulic systems such as, for example:	Mineral oil based hydraulic fluids HLP (DIN 51524 part 2). For use of environmentally acceptable fluids (vegetable or polyglycol base) please consult us.		
Fluid Temperature	°C (°F)	-20....+80 (-4....+176) (NBR)	
Permissible degree of fluid contamination	ISO 4572: $\beta_x \geq 75$ X=12...15 ISO 4406: class 20/18/15 NAS 1638: class 9		
Viscosity range	mm²/s	5....420	

Note

For applications with different specifications consult us

Ordering details

01	02	03	04	05
TE	-	03	-	

Family

01	Inlet Elements	TE
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Configuration

02	With Load Sensing ports	03
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Ports

03	G 3/8 DIN 3852	02
	G 1/2 DIN 3852	03
	3/4-16 UNF-2B (SAE8)	56

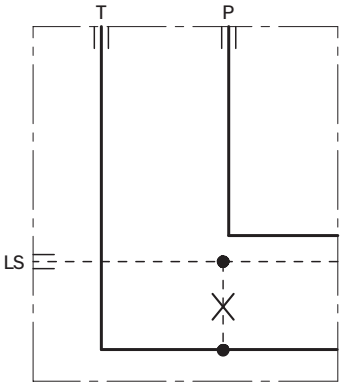
Size of drain orifice for LS

04	No drain	00
	0.3 mm (0.012 inch) orifice	01
	0.4 mm (0.016 inch) orifice	02
	0.5 mm (0.020 inch) orifice	03

Material

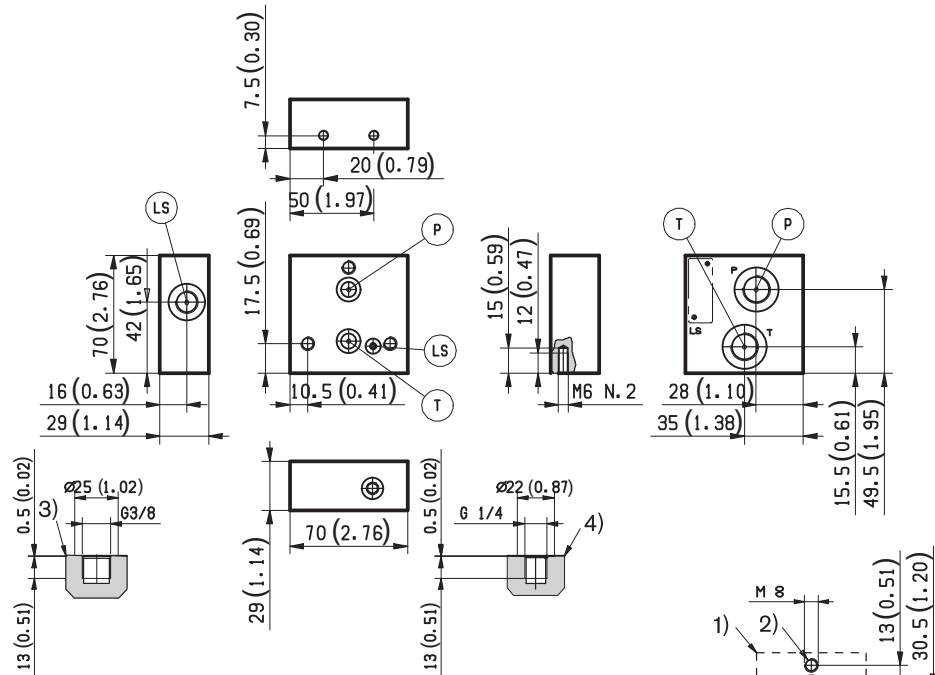
05	Cast Iron	CI
	Aluminium	AL

Symbol



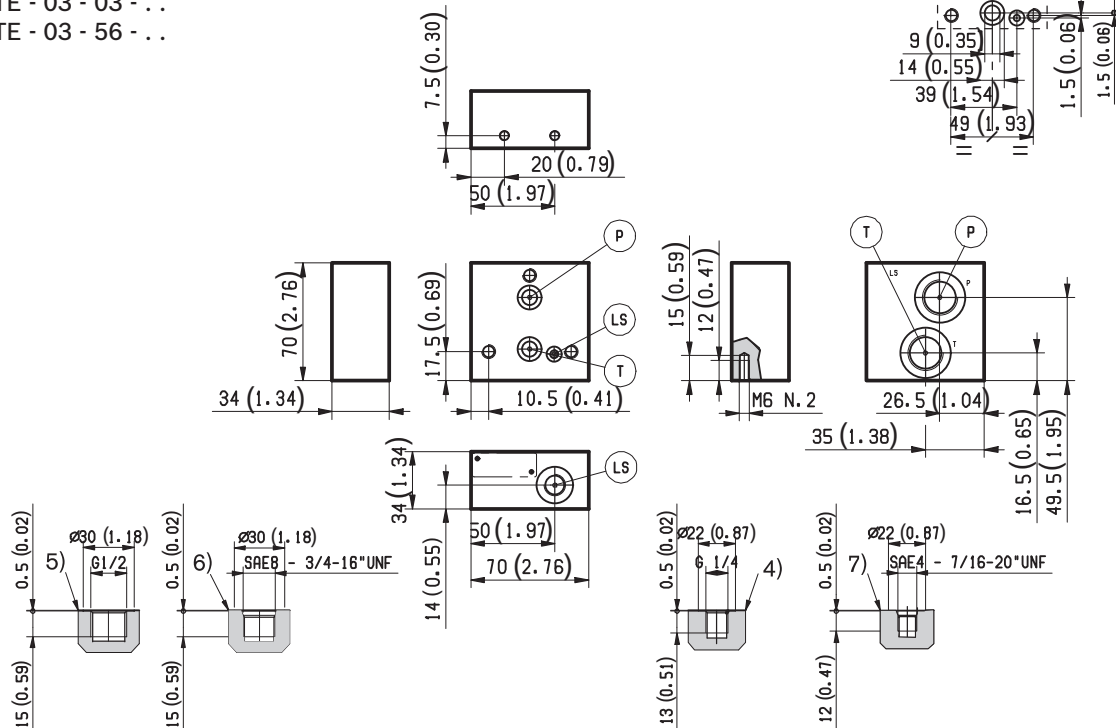
External dimensions and fittings

TE - 03 - 02 - . .



TE - 03 - 03 - . .

TE - 03 - 56 - . .



- 1 Flange specifications for coupling to the ED Directional Valve Elements.
- 2 For tie rod and tightening torque information see data sheet RE 18301-90.
- 3 Hydraulic Ports P-T G 3/8, for Inlet Elements TE-03-02...

- 4 Load Sensing port (LS) G 1/4, for Inlet Elements TE-03-02... and TE-03-03...
- 5 Hydraulic Ports P-T G 1/2, for versions TE-03-03...
- 6 Hydraulic Ports P-T SAE 8, for versions TE-03-56...
- 7 Load Sensing port (LS) SAE 4, for Inlet Elements TE-03-56...

Bosch Rexroth Oil Control S.p.A.

Oleodinamica LC Division
Via Artigianale Sedrio, 12
42030 Vezzano sul Crostolo
Reggio Emilia - Italy
Tel. +39 0522 601 801
Fax +39 0522 606 226 / 601 802
compact-hydraulics-cdv@boschrexroth.com
www.boschrexroth.com/compacthydraulics

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Subject to change.