Inlet Elements with LS connections

TE-03-__-

RE 18300-03
Edition: 02.2016
Replaces: 07.2012



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 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 HL (DIN 51524 part 1). 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	mm^2/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**

Configuration

02	With Load Sensing ports	**03**

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

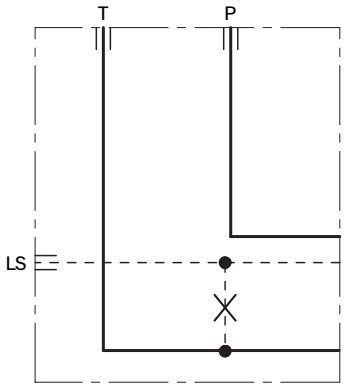
04	No drain	**00**
	0.3 mm (0.012 inch) orifice	**01**
	0.4 mm (0.016 inch) orifice	**02**
	0.5 mm (0.020 inch) orifice	**03**

Material

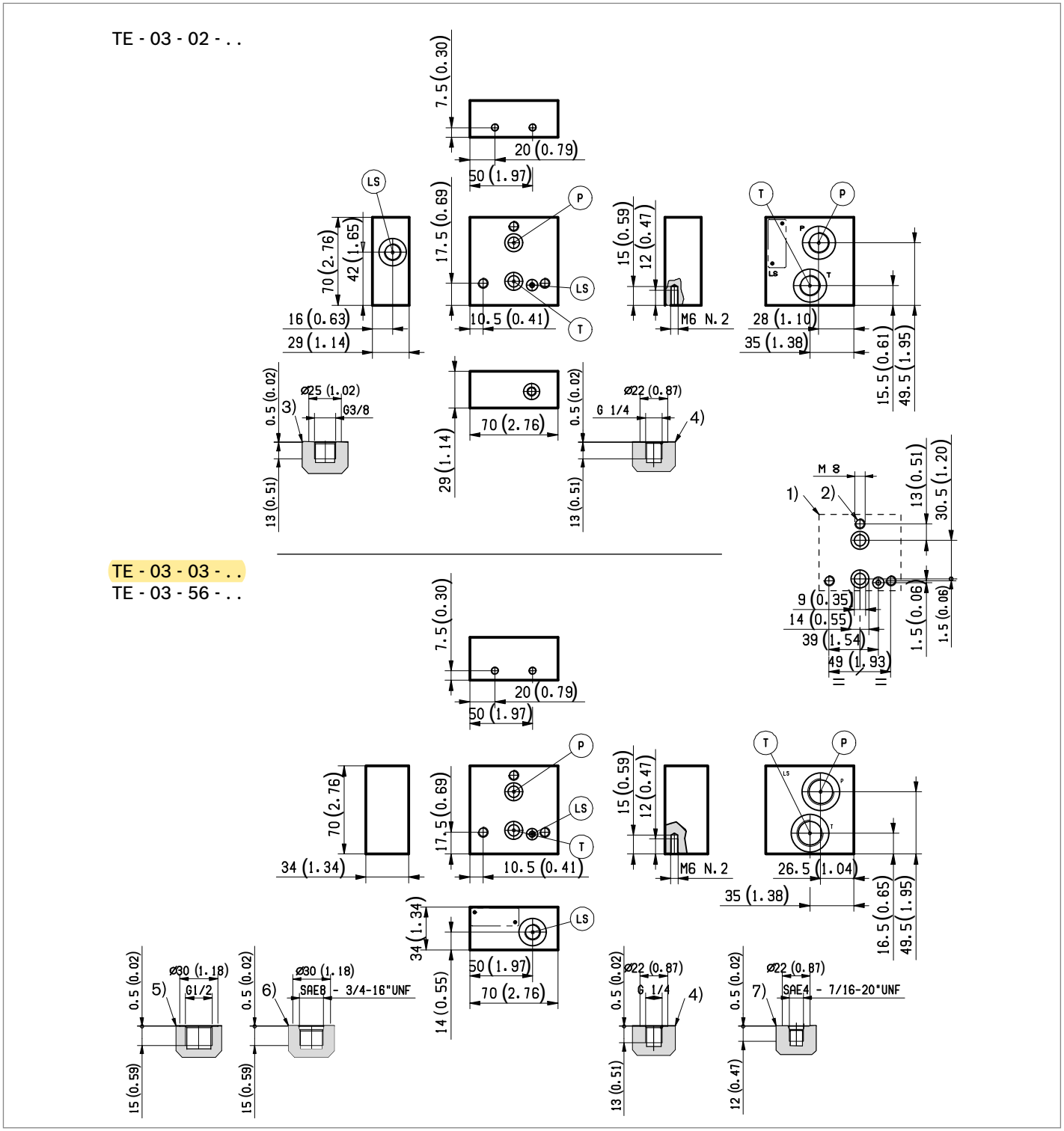
05	Cast Iron [1)]	**CI**
	Aluminium	**AL**

1) Only available for versions with G 3/8 and G 1/2 ports (TE-03-02-../TE-03-03-..)

Symbol



External dimensions and fittings



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...

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