

Inlet Elements with Primary Pressure Relief Valve and with LS connections

TE-04-__-

RE 18300-04

Edition: 01.2024

Replaces: 02.2016



Description

The inlet elements TE-04-__ 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. They incorporate a pressure relief cartridge which limits the maximum primary pressure in the P line and unloads to Tank any excess flow.

The TE-04-__ inlet elements are available with body made of Black Anodized Aluminium (AL).

Hydraulic Ports P and T can be size G 3/8, G 1/2 or SAE 8 (3/4" 16 UNF). LS port is G 1/4 on BSPP versions, and SAE 4 in SAE versions.

Technical data

General		
TE-04-00	kg (lbs)	0.58 (1.27)
TE-04-01	kg (lbs)	0.70 (1.54)
Ambient Temperature	°C (°F)	-20...+50 (-4...+122) (NBR seals)
Hydraulic		
Maximum pressure	bar (psi)	250 (3625)
Maximum inlet flow	l/min (gpm)	50 (13.2)
Hydraulic fluid	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.	
General properties: it must have physical lubricating and chemical properties suitable for use in hydraulic systems such as, for example:		
Fluid Temperature	°C (°F)	-20...+80 (-4...+176) (NBR)
Permissible degree of fluid contamination	ISO 4572: $\beta_{\lambda} \geq 75$ X=10...12 ISO 4406: class 19/17/14 NAS 1638: class 8	
Viscosity range	mm ² /s	5...420

Note

For applications with different specifications consult us

Ordering details

01	02	03	04	05	06
TE	-	04	-	-	AL

Family

01	Inlet Elements	TE
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Configuration

02	With primary pressure relief valve and with LS connections	04
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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

Primary Pressure Relief range

04	Cavity without primary pressure relief valve (to be ordered separately)	00
	25-125bar (362-1813 psi)	SN
	40-200bar (580-2900 psi)	SB
	200-350bar (2900-5076 psi)	SV

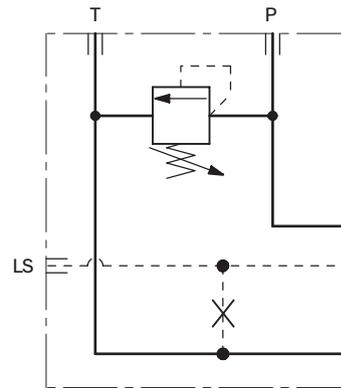
Size of drain orifice for LS

05	Without drain orifice	00
	Orefice 0.3 mm (0.012 in)	01
	Orefice 0.4 mm (0.016 in)	02
	Orefice 0.5 mm (0.020 in)	03

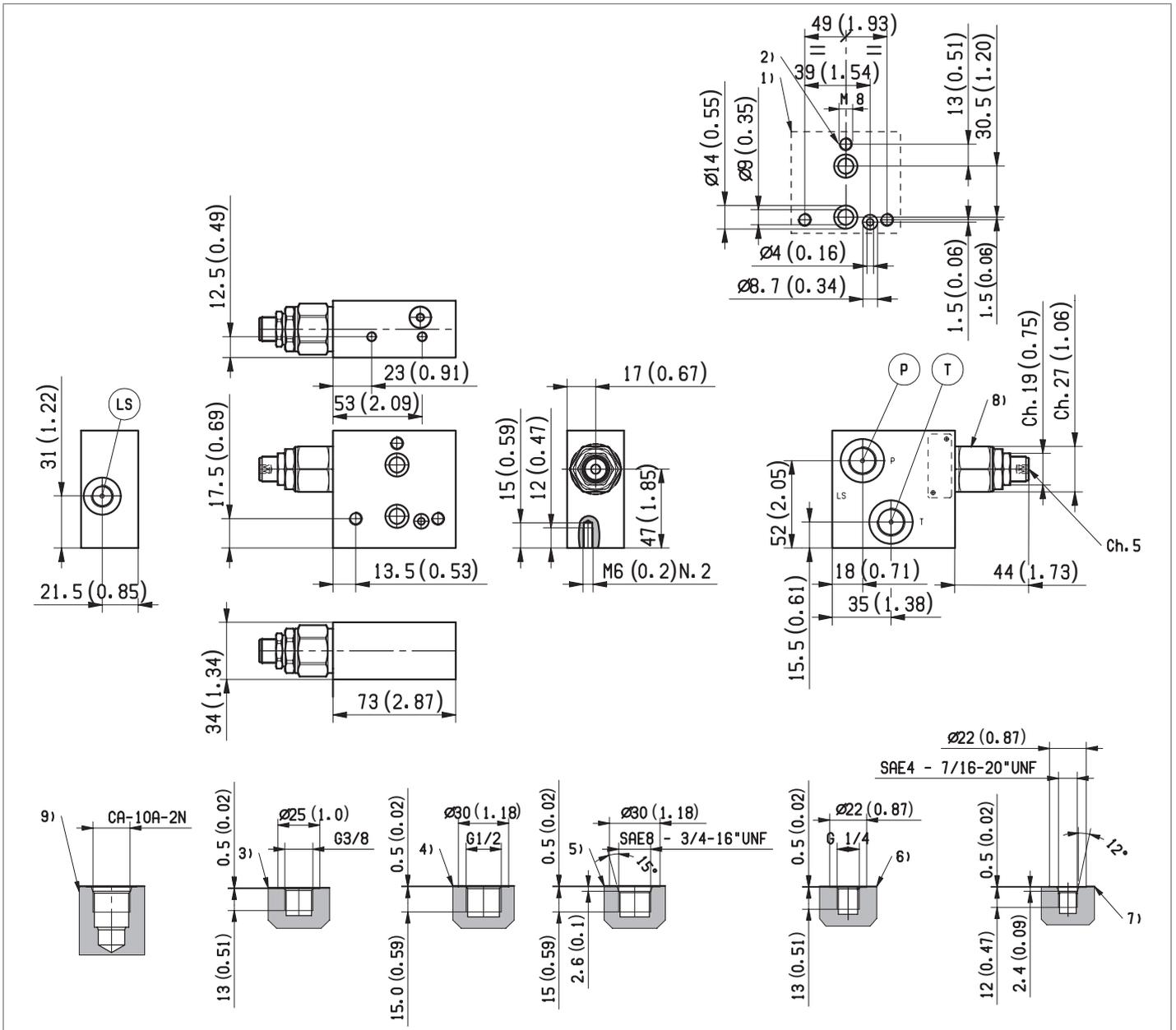
Material

06	Aluminium	AL
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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-04-02...
- 4 Hydraulic Ports P-T G 1/2, for versions TE-04-03...
- 5 Hydraulic Ports P-T SAE 8, for versions TE-04-56.

- 6 Test Point port G 1/4, for Inlet Elements TE-04-02... and TE-04-03...
- 7 Test Point port SAE 4, for versions TE-04-56...
- 8 Primary Pressure Relief Cartridge VMD1040, with screw type adjuster (refer to RE 18301-91).
- 9 Cavity for Primary Pressure Relief Cartridge VMD1040.

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Subject to change.