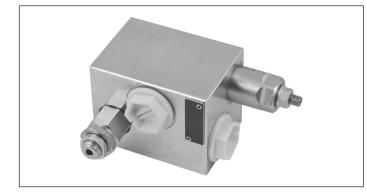
Inlet Elements with LS connections and double pressure relief valve (Pand LS line)

TE-16-__-



Description

The inlet elements TE-16-__ 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 the LS ports of the elements equipped with LS channels. They incorporate two pressure relief cartridge which limits the maximum primary pressure in the P line and the maximum load pressure in the LS line and unloads to tank any excess flow.

The TE-16-__ inlet elements are available with body made of yellow zinc plated (Cr+3) cast iron (CI).

Ports sizes can be G 1/2 or G 3/4 or SAE10 (7/8" 14 UNF). LS ports are G 1/4 for BSPP version, and SAE 4 (7/16" 20 UNF) for "UNF" version.

Technical data

General		
TE16	kg (lbs)	2.6 (6)
Ambient Temperature	°C (°F)	–20+50 (-4+122) (NBR seals)
Hydraulic		
Maximum pressure	bar (psi)	310 (4500)
Maximum flow	l/min (gpm)	120 (31.7)
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: β _x ≥75 X=1215 ISO 4406: class 19/17/14 NAS 1638: class 8
Viscosity range	mm²/s	5420

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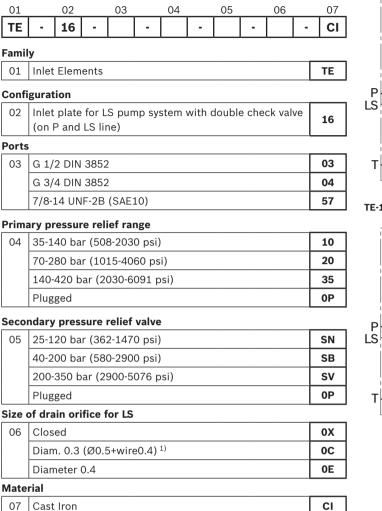
RE 18300-14 Edition: 05.2024

Replaces: 02.2016

Note

For applications with different specifications consult us

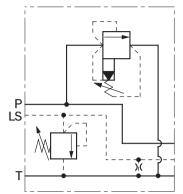
Ordering details



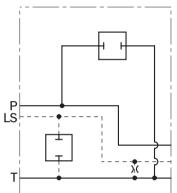
1) Recommended version.

Symbol

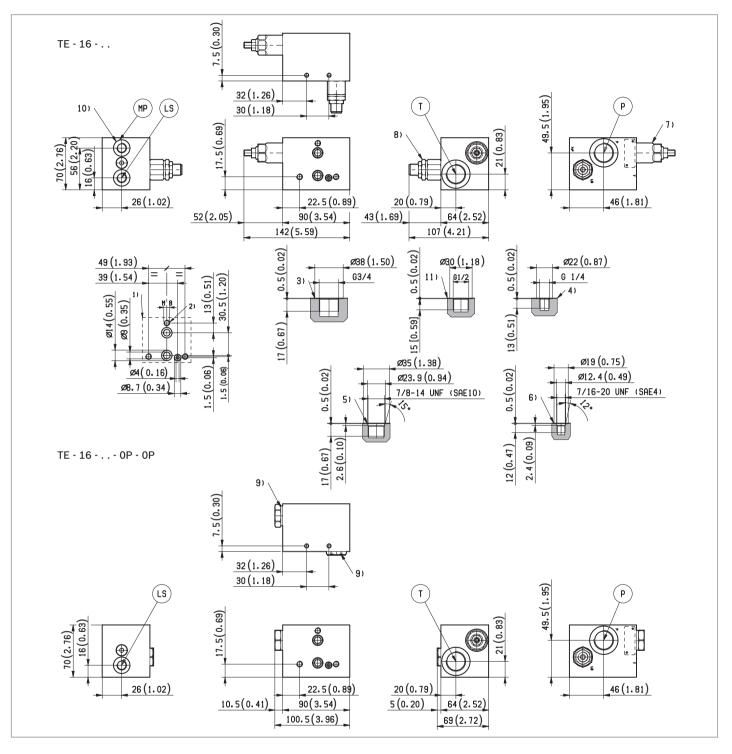
TE-16-__-



TE-16-_- 0P - 0P



External dimensions and fittings



- 1 Flange specifications for coupling to the ED Directional Valve Elements
- 2 Three threaded holes M8 for coupling of the ED Directional Valve Elements (refer to RE 18301-90/10.09).
- **3** Hydraulic ports P and T G 3/4 , inlet elements TE-16-04-...
- **4** Hydraulic ports MP,LS, G 1/4, inlet elements TE-16-03-... and hydraulic ports LS G 1/4, inlet elements TE-16-04-..
- 5 Hydraulic ports P and T SAE10, inlet elements TE-16-57-...

- 6 Hydraulic ports LS SAE4, inlet elements TE-16-57-...
- 7 Primary pressure relief cartridge (P line) VSPN-10A, with screw type adjuster (refer to RE18318-08-09.09).
- 8 Secondary pressure relief cartridge (LS line) VMD1020, with screw type adjuster.
- 9 plugs for primary and secondary pressure relief valves
- **10** Hydraulic ports MP G 1/4, available only for inlet elements TE-16-03-..
- 11 Hydraulic ports P and T G 1/2, inlet elements TE-16-03-..

4 TE-16-_- | Inlet Elements

Bosch Rexroth Oil Control S.p.A.

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Subject to change.