

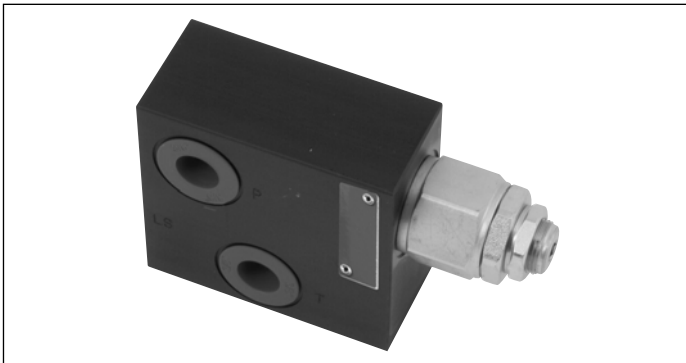
Inlet Elements with Primary Pressure Relief Valve and with LS connections

TE-04-__-

RE 18300-04

Edition: 02.2016

Replaces: 07.2012



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: $\beta_{x \geq 75} X = 10 \dots 12$ 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

Configuration										
02	With primary pressure relief valve and with LS connections									04

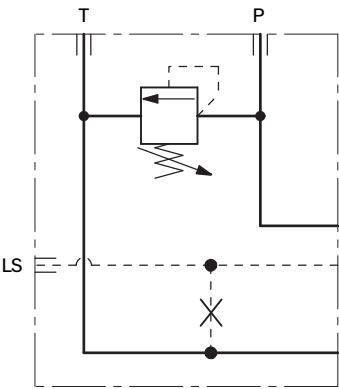
Ports										
03	G 3/8 DIN 3852									02
	G 1/2 DIN 3852									03
	3/4-16 UNF-2B (SAE8)									56

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

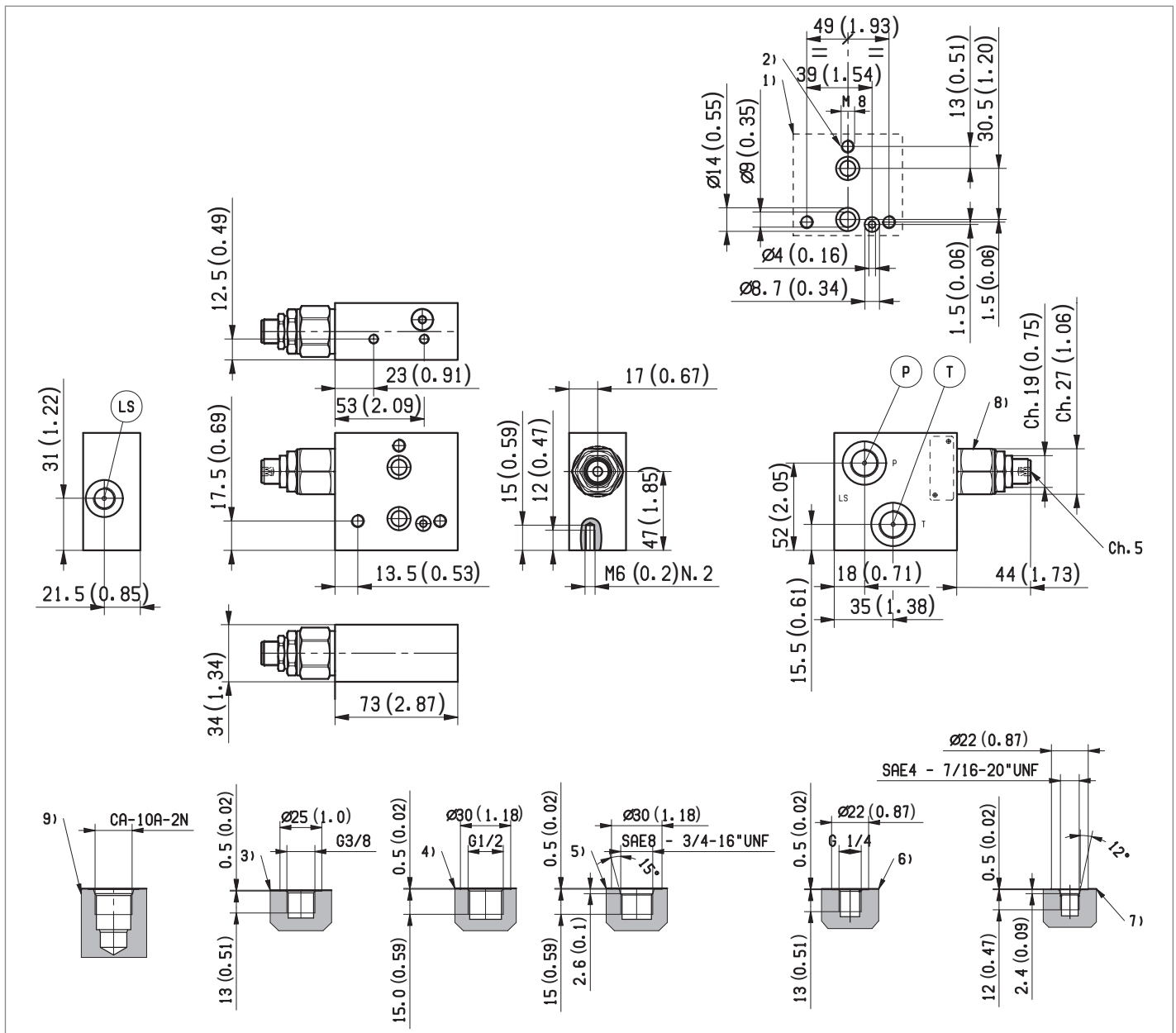
Size of drain orifice for LS										
05	Without drain orifice									00
	Orifice 0.3 mm (0.012 in)									01
	Orifice 0.4 mm (0.016 in)									02
	Orifice 0.5 mm (0.020 in)									03

Material										
06	Aluminium									AL

Symbol



External dimensions and fittings



- | | |
|---|--|
| <p>1 Flange specifications for coupling to the ED Directional Valve Elements.</p> <p>2 For tie rod and tightening torque information see data sheet RE 18301-90.</p> <p>3 Hydraulic Ports P-T G 3/8, for Inlet Elements TE-04-02...</p> <p>4 Hydraulic Ports P-T G 1/2, for versions TE-04-03-...</p> <p>5 Hydraulic Ports P-T SAE 8, for versions TE-04-56.</p> | <p>6 Test Point port G 1/4, for Inlet Elements TE-04-02... and TE-04-03...</p> <p>7 Test Point port SAE 4, for versions TE-04-56-...</p> <p>8 Primary Pressure Relief Cartridge VMD1040, with screw type adjuster (refer to RE 18301-91).</p> <p>9 Cavity for Primary Pressure Relief Cartridge VMD1040.</p> |
|---|--|

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

© This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent. The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.
Subject to change.