

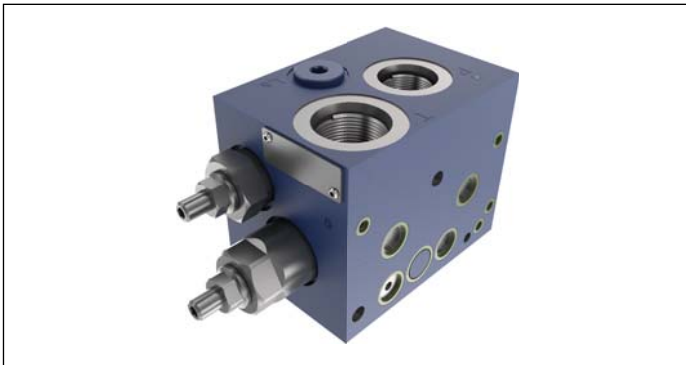
Inlet Elements with LS connections and double pressure relief valve (P and LS line)

TEG-16/2_

RE 18300-15

Edition: 05.2023

Replaces: 11.2022



Description

The inlet elements TEG-16/2_ are employed to connect the external P,T lines to the P,T channels inside the EDG 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 TEG16/2_ 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 6 (9/16" 18 UNF) for "UNF" version.

Technical data

General		
TEG16...	kg (lbs)	3.8 (8.4) With cartridges
Ambient Temperature	°C (°F)	-20....+90 (-4....+194) (NBR seals)
Hydraulic		
Maximum pressure	bar (psi)	350 (5000)
Maximum flow	l/min (gpm)	120 (31.7)
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.	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....+100 (-4....+212) (NBR)
Permissible degree of fluid contamination	ISO 4572: $\beta_{x \geq 75} X = 12 \dots 15$ 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
TEG	-	16	/	2	-	-	-	-	-	-	-	CI

Family

01	Inlet Elements for EDG family	TEG
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Pilot oil supply option ¹⁾

02	Without valve cavity (not drilled) for pressure reducing valve; without external oil supply	0
	With pressure reducing and relieving MHDRDB, without external oil supply	1
	With pressure reducing and relieving MHDRDB with external oil supply	2
	Without pressure reducing and relieving MHDRDB (with Normally open plug - R930088470), with external oil supply	3
	With pressure reducing valve cavity plugged (with Normally closed plug - R930074980)	9

Port Size

03	P 1/2" BSPP; T 3/4" BSPP; Ls 1/4" BSPP; Mp 1/4 BSPP	01
	P 1/2" BSPP; T 1/2" BSPP; Ls 1/4" BSPP; Mp 1/4 BSPP	02
	P 3/8" BSPP; T 3/8" BSPP; Ls 1/4" BSPP; Mp 1/4 BSPP	03
	P (SAE8), T (SAE10); Ls (SAE6); Mp (SAE6)	06

Primary pressure relief valve (P relief)

04	35-140 bar (508-2030 psi)	1
	70-280 bar (1000-4000 psi)	2
	140-420 bar (2000-6000 psi)	3
	Plugged	9
	Drilled (not plugged)	0

Secondary pressure relief range (LS relief)

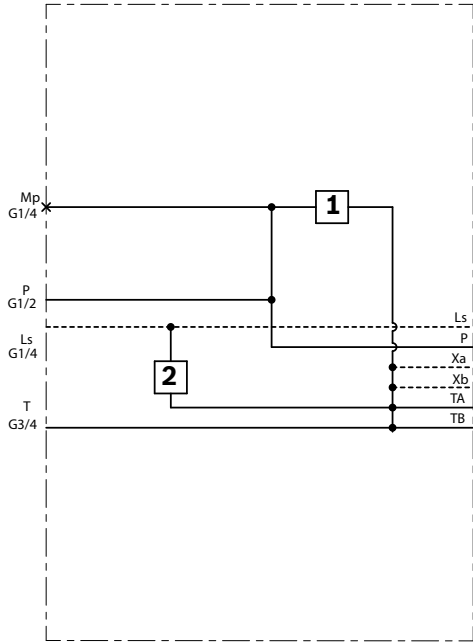
05	35-140 bar (508-2030 psi)	1
	105-210 bar (1500-3000 psi)	2
	175-350 bar (2500-5000 psi)	3
	Plugged	9
	Drilled (not plugged)	0

Material

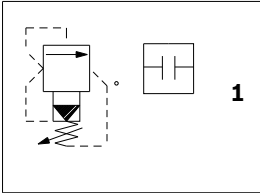
06	Cast Iron	CI
	Aluminium	AL

Symbol

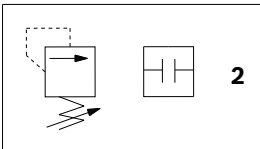
TEG-16/20-_-



Main relief cavity option (P line)



LS relief cavity option

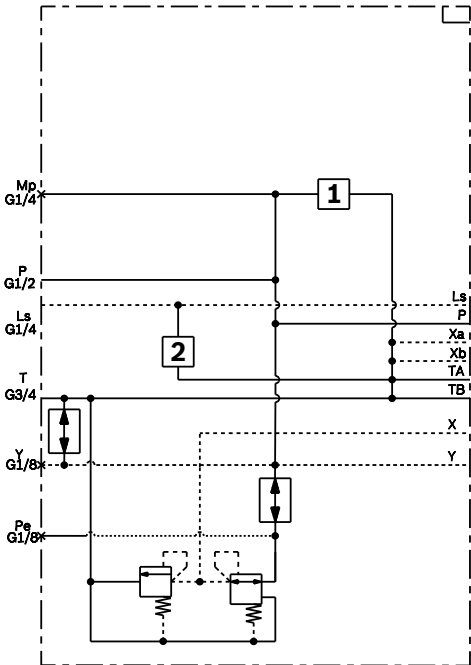


1) Pressure reducing valve MHDRDB setting: 35 bar (508 psi) - R900641606

Symbol

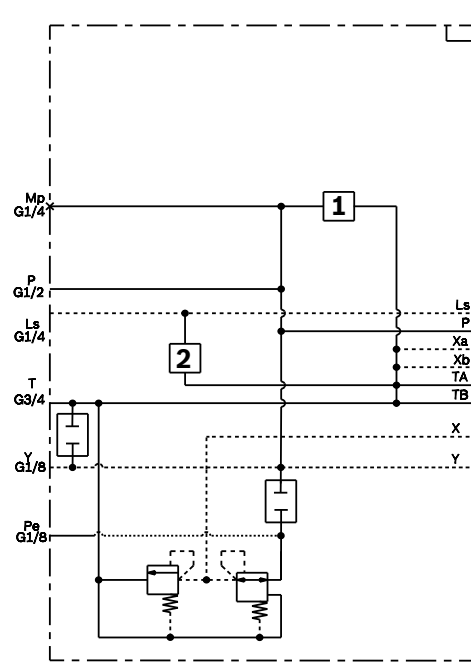
TEG-16/21_ _

With pressure reducing and relieving MHDRDB, without external oil supply



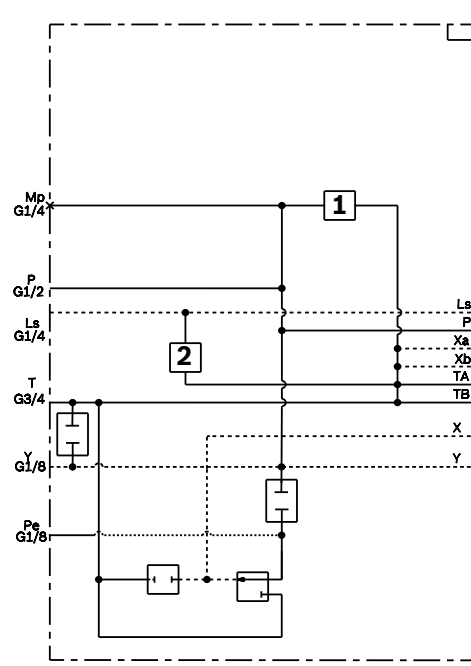
TEG-16/22_ _

With pressure reducing and relieving MHDRDB with external oil supply



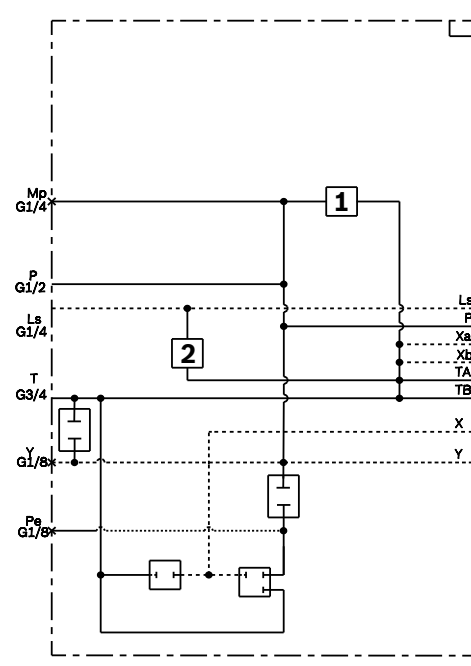
TEG-16/23_ _

Without pressure reducing and relieving MHDRDB (with Normally open plug), with external oil supply

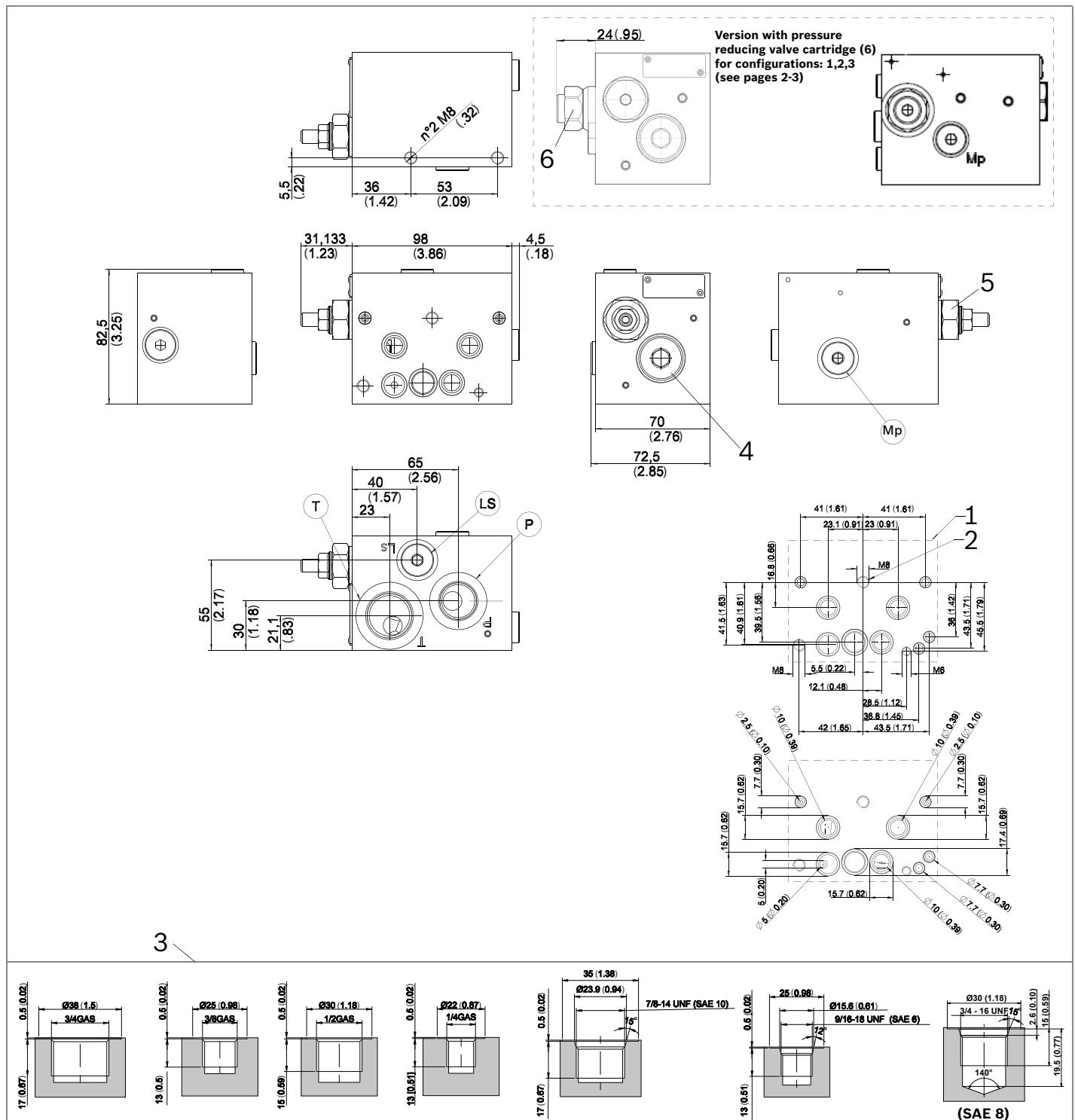


TEG-16/29_ _

Without pressure reducing and relieving MHDRDB (with Normally closed plug), without external oil supply



External dimensions and fittings



- | | |
|---|--|
| <p>1 Flange specifications for coupling to the EDG Directional Valve Elements</p> <p>2 Three threaded holes two M8 and one M6 for coupling of the EDG Directional Valve Elements.</p> <p>3 Hydraulic ports detail. For port configuration, please see pag. 2.</p> <p>4 Plug. As option, primary pressure relief cartridge (P line) VSPN-10A (refer to RE 18318-08).</p> | <p>5 Secondary pressure relief cartridge (LS line) VSBN, with screw type adjuster (refer to RE 18318-04).</p> <p>6 Pressure reducing and relieving valve MHRDB, optional configuration (refer to RE 18318-55).</p> |
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