

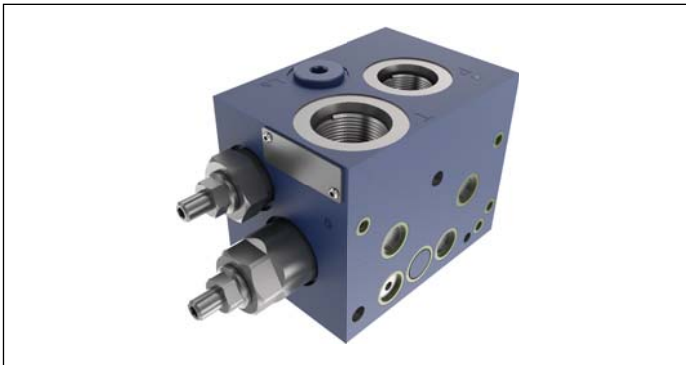
## Inlet Elements with LS connections and double pressure relief valve (P and LS line)

TEG-16/20-\_\_-

**RE 18300-15**

Edition: 11.2021

Replaces: 08.2021



### Description

The inlet elements TEG-16/20- 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 TEG16/20 -\_\_- 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 <sup>2</sup> /s	5....420

### Note

For applications with different specifications consult us.

## Ordering details

01	02	03	04	05	06
<b>TEG</b>	<b>-</b>	<b>16/20</b>	<b>-</b>	<b>-</b>	<b>CI</b>

### Family

01	Inlet Elements	<b>TEG</b>
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### Configuration

02	Inlet plate for LS pump system with pressure relief valve on P and LS line	<b>16/20</b>
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### Port Size

03	<b>P</b> 1/2" BSPP; <b>T</b> 3/4" BSPP; <b>Ls</b> 1/4" BSPP; <b>Mp</b> 1/4 BSPP	<b>01</b>
	<b>P</b> 1/2" BSPP; <b>T</b> 1/2" BSPP; <b>Ls</b> 1/4" BSPP; <b>Mp</b> 1/4 BSPP	<b>02</b>
	<b>P</b> 3/8" BSPP; <b>T</b> 3/8" BSPP; <b>Ls</b> 1/4" BSPP; <b>Mp</b> 1/4 BSPP	<b>03</b>
	<b>P</b> (SAE10), <b>T</b> (SAE12); <b>Ls</b> (SAE6); <b>Mp</b> (SAE6)	<b>04</b>
	<b>P</b> 3/8" BSPP; <b>T</b> 1/2" BSPP; <b>Ls</b> 1/4" BSPP; <b>Mp</b> 1/4 BSPP	<b>05</b>
	<b>P</b> (SAE8), <b>T</b> (SAE12); <b>Ls</b> (SAE6); <b>Mp</b> (SAE6)	<b>06</b>

### Primary pressure relief valve (P relief)

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

### Secondary pressure relief range (LS relief)

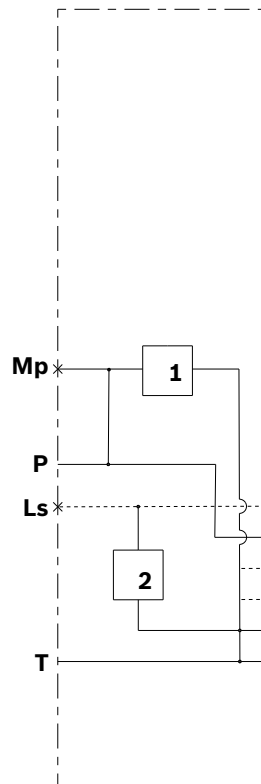
05	35-140 bar (508-2030 psi)	<b>1</b>
	105-210 bar (1500-3000 psi)	<b>2</b>
	175-350 bar (2500-5000 psi)	<b>3</b>
	Plugged	<b>9</b>
	Drilled (not plugged)	<b>0</b>

### Material

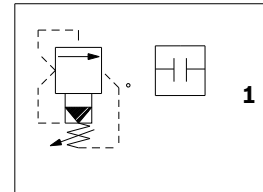
06	Cast Iron	<b>CI</b>
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### Symbol

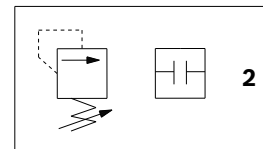
TEG-16/20-\_-



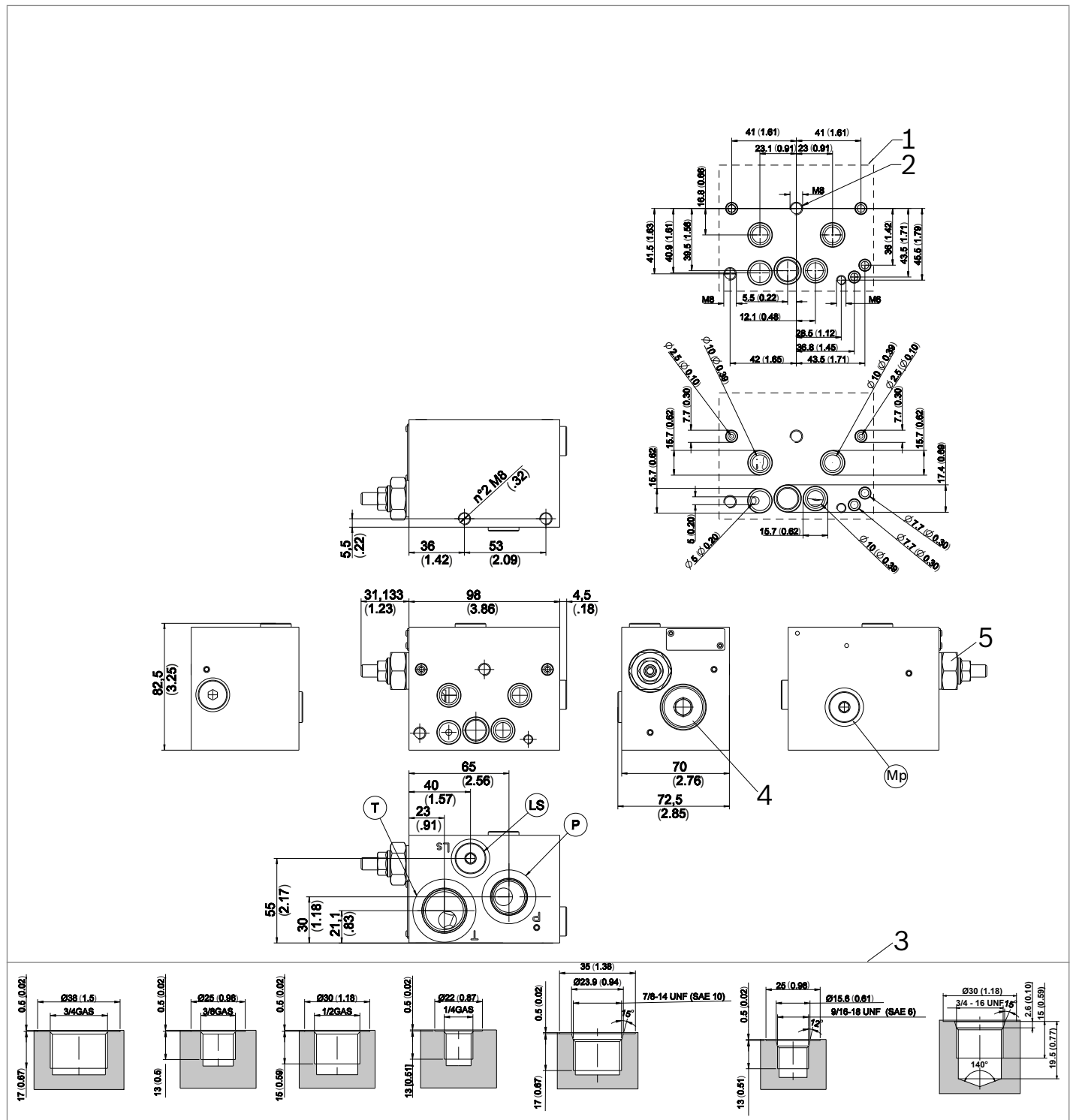
### Main relief cavity option (P line)



### LS relief cavity option



## External dimensions and fittings



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Subject to change.