

Outlet Elements with Pressure Relief Valve and with P, T and M ports for downstream operators

TC-04-__-

RE 18301-64

Edition: 02.2016

Replaces: 07.2012



Description

The outlet elements TC-04-__ are employed to connect the P and T channels of the ED elements of the Directional Valve Assembly to the P1 and T1 ports for downstream operators. They incorporate a pressure relief cartridge which controls the maximum pressure in the P1 line. The relief setting can be checked through the Test Point port M. The TC-04-__ elements are available with body made of Black Anodized Aluminium (Al). Hydraulic Ports P1 and T1 are size G 3/8, and Test Point port (M) is G 1/4.

Technical data

General		
Weight	kg (lbs)	0.31 (0.67)
TC 04-02-00-AL element		
Weight	kg (lbs)	0.44 (0.96)
TC 04-02-S_-AL element		
Ambient Temperature	°C (°F)	-20....+50 (-4....+122) (NBR seals)
Hydraulic		
Maximum flow in P and T	l/min (gpm)	35 (9.2)
Maximum pressure	bar (psi)	250 (3625)
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 such as, for example:		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: $\beta_x \geq 75$ 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
TC	-	04	-	AL

Family

01	Outlet Elements	TC
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Configuration

02	With Pressure Relief Valve and through ports P and T	04
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Ports

03	G 3/8 DIN 3852	02
	9/16-18 UNF 2-B (SAE6)	55

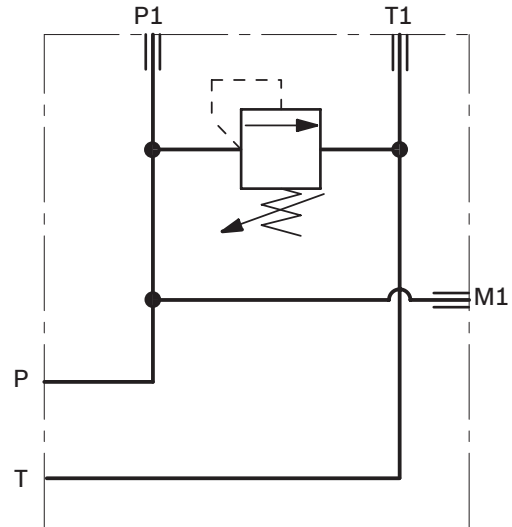
Pressure Relief range

04	Without pressure relief valve	00
	25-125bar (362-1813 psi)	SN
	40-200bar (580-2900 psi)	SB
	200-350bar (2900-5076 psi)	SV

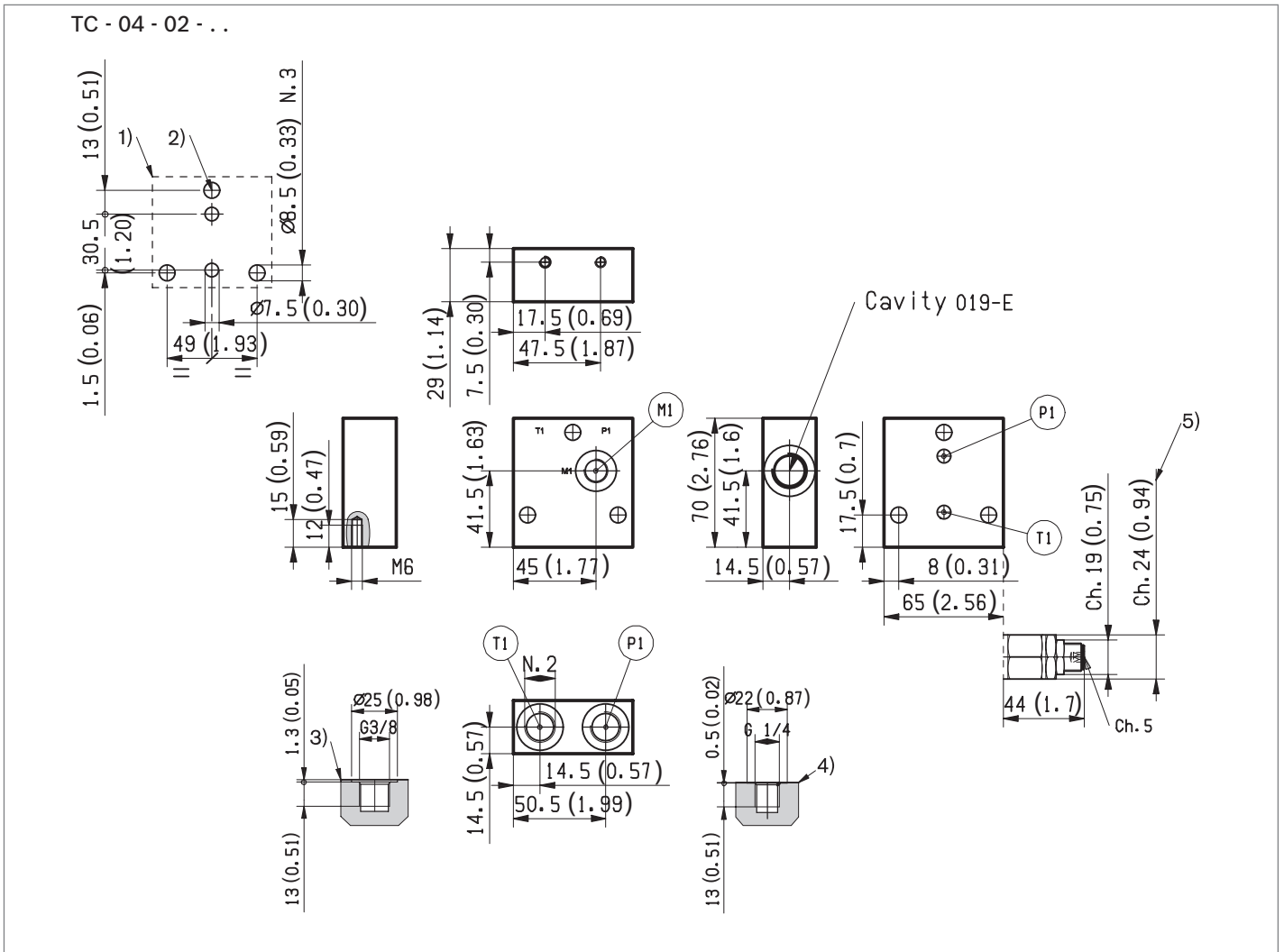
Material

05	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 P1 and T1 size G 3/8 for downstream operators.
- 4 Test Point port (M) G 1/4...
- 5 Pressure Relief Cartridge VMD1025, with screw type adjuster (refer to RE 18301-91).

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Subject to change.