

Outlet Elements with additional inlet port P1

TC-02-__

RE 18301-72

Edition: 06.2020

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Description

The outlet elements TC-02- are employed to connect the P and T channels of the ED elements of the Directional Valve Assembly, and to provide an extra inlet port P1, either size G 3/8 or G 1/2.

The outlet elements TC-02- are available in two versions:

- Body made of Black Anodized Aluminium (AL), or
- Body made of Yellow Zinc plated (Cr+3) Cast Iron (CI).

Technical data

General		
Weight	kg (lbs)	0.16 (0.35)
TC-02-02-...-AL-F-B element		
Weight	kg (lbs)	0.26 (0.56)
TC-02-03-...-AL element		
Weight	kg (lbs)	0.64 (1.41)
TC-02-03-...-CI element		
Ambient Temperature	°C (°F)	-20....+50 (-4....+122) (NBR seals)
Hydraulic		
Maximum flow in P	l/min (gpm)	50 (13.2)
Maximum pressure for aluminium version (AL)	bar (psi)	250 (3625)
Maximum pressure for Cast Iron version (CI)	bar (psi)	310 (4500)
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....+100 (-4....+212) (NBR)
Permissible degree of fluid contamination	ISO 4572: $\beta_{x \geq 75} X = 12 \dots 15$ ISO 4406: class 20/18/15 NAS 1638: class 9	
Viscosity range	mm ² /s	5....420

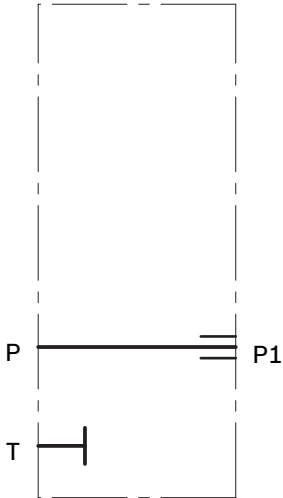
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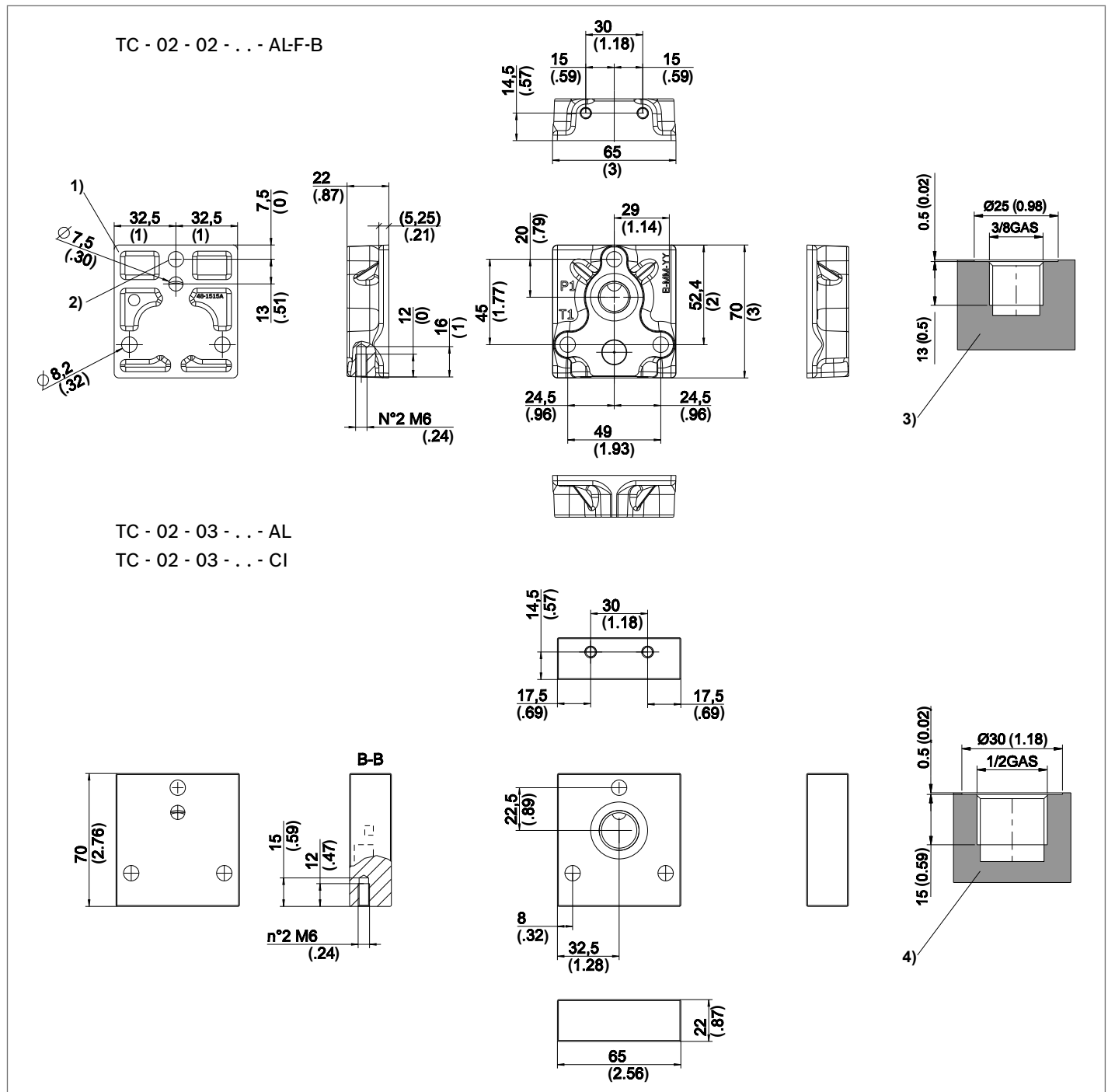
For applications with different specifications consult us

Ordering details

01	02	03	04					
TC	-	02	-		-	00	-	
Family								
01	Outlet Elements							TC
Configuration								
02	with additional inlet port P1							02
Ports								
03	G 3/8 DIN 3852							02
	G 1/2 DIN 3852							03
Material								
04	Forged Aluminum (only for 3/8" port size)							AL-F-B
	Aluminum from solid bar (only for 1/2" port size)							AL
	Cast Iron (all port sizes)							CI

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 Port P1 size G 3/8, for TC-02-02-...
4 Hydraulic Port P1 size G 1/2, for TC-02-03-...

Part Code	Material Number	Description	Port Size	Material
48-15152N	R930067925	TC-02-02-00-AL-F-B	G 3/8 DIN 3852	Forged Aluminum
48-15153	R933003330	TC-02-03-00-AL	G 1/2 DIN 3852	Aluminum from solid bar
48-151535	R933003333	TC-02-03-00-CI	G 1/2 DIN 3852	Cast Iron

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Subject to change.