# Intermediate elements with flow regulator on P line

## TI-04-\_\_-



### Description

The intermediate elements TI-04-\_\_- are designed to be fitted between two directional valve elements. Different hydraulic layout can be choice with different ordering codes.

Material: the body is made of black anodized Aluminium (AL), or of yellow Zinc plated (Cr+3) Cast Iron (CI).

### **Technical data**

General					
Weight TI-04-00-AL	kg (lbs)	0.74	(1.63)		
Weight TI-04-01-AL		kg (lbs)	0.84	(1.85)	
Weight TI-04-02-AL	kg (lbs)	1.08	(2.38)		
Weight TI-04-00-CI	kg (lbs)	1.10	(2.42)		
Weight TI-04-03-CI	kg (lbs)	1.33	(2.93)		
Ambient Temperature	-20+50 (-4+122) (NBR seals)				
Hydraulic					
Maximum inlet flow	l/min (gpm)	50 (13.2)			
Maximum pressure TI-Aluminium	bar (psi)	250 (3625)			
Maximum pressure TI-Cast Iron	bar (psi)	310 (4495)			
Hydraulic fluid 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 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.			
Fluid Temperature	°C (°F)	-20+80 (-4	4+176	6) (NBR)	
Permissible degree of fluid contamination	ISO 4572: β <sub>x</sub> ≥75 X=1012 ISO 4406: class 19/17/14 NAS 1638: class 8				
Viscosity range	mm²/s	5420			

#### Note

For applications with different specifications consult us



#### RE 18301-27

Edition: 02.2016 Replaces: 06.2015

## **Ordering details**

TI0401AL (with mechanical cartrige valve, not pressure compensated)

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ami	ly									
01										
onf	igura	tion								_
02	without cartridge valve						00			
	with mechanical cartridge valve, not pressure							01		
	com	pensate	d 0-40l,	/min	(0-10.57	'gpm)				01
<b>/</b> ate	rial a	nd Cavit	у							
03	Alluminium CA08A2N									
TI	0402/	AL (with	on off	elect	rical ca	rtridg	e valv	e, norr	nally	close
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TI	-	04	-		-	AL	-		-	
ami	ly									_
01	Intermediate Elements									ті
Conf	igura	tion								
02	without cartridge valve						00			
	with electrical cartridge valve,							A2		
	norr	nally clo	sed 0-4	0l/mi	in (0-10.	57gpr	n)			
Mate	rial a	nd Cavit	у							
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	idaa									
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01 02 03 ΤI 04 CI --\_ Family 01 Intermediate Elements ТΙ Configuration 02 without cartridge valve 00 with mechanical cartrige valve, 03 pressure compensated 0.2-30l/min (0.05-7.92gpm)

СІ

#### Material and Cavity

03 Cast Iron CA08A2N

#### Symbols



## **External dimensions and fittings**



- **1** Flange specifications for coupling to ED intermediate elements.
- 2 For tie rod and tightening torque information see data sheet RE 18301-90.
- 3 Identification label.
- **4** Test point M(G 1/4) for pressure gauge connection.
- 5 Flow regulator cartridge ST-C-06.



- 1 Flange specifications for coupling to ED intermediate elements.
- **2** For tie rod and tightening torque information see data sheet RE 18301-90.
- 3 Identification label.
- **4** Test point M(G 1/4) for pressure gauge connection.
- 5 Electrical valve 40 l/min (10,57 gpm).



- **1** Flange specifications for coupling to ED intermediate elements.
- **2** For tie rod and tightening torque information see data sheet RE 18301-90.
- 3 Identification label.
- **4** Test point M(G 1/4) for pressure gauge connection.
- **5** Regulated flow range 0.2÷30 l/min (0.05÷7,92 gpm).

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Subject to change.