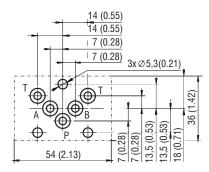


4/2 and 4/3 Directional Control Valve, Solenoid Operated

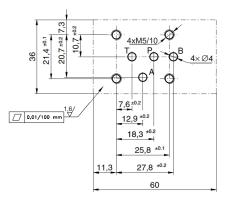
RPE2-04



2 - (former CETOP-RP 121H)



3 - ISO 4401-AA-02-4-A (DIN 24340-A4)



Size 04 (D02) • Q_{max} 20 l/min (5 GPM) • p_{max} 320 bar (4600 PSI)

Technical Features

- Direct acting, directional control valve with subplate mounting surface acc. to (CETOP-RP 121H) and ISO 4401-AA-02-4-A (DIN 24340-A4)
- $\,\,$ High transmitted hydraulic power up to 320 bar with optimized design to minimize the flow pressure drop
- > Three chamber housing design for production cost saving
- > The valve is available with interchangeable DC solenoids, also with AC power supply, using a built-in rectifier bridge
- Solenoid electrical terminal option acc. to EN 175301-803-A
- > Wide range of interchangeable spools available
- > The coil is fastened to the core tube with a retaining nut, and can be rotated by 360°, to suit the available space.
- In the standard version, the valve housing is phosphated for basic surface corrosion protection and as preparation for painting. Steel parts are zinc-coated for 240 h salt spray protection acc. to ISO 9227
- Enhanced surface protection for mobile sector available for the valve housing and steel parts (ISO 9227, 520 h salt spray)

Teals		Data
Tech	nical	Data

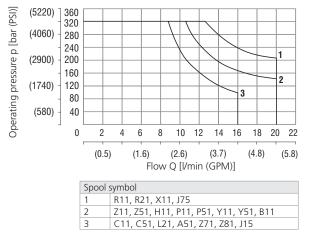
Valve size			04 (D02)		
Max. flow			20 (5.3)		
Max. operating pressure at port P, A, B		320 (4600)		
Max. operating pressure at port T		100 (100 (1450)		
Fluid temperature range (NBR)		-30 +80 (-30 +80 (-22 +176)		
Fluid temperature range (FPM)		-20 +80	-20 +80 (-4 +176)		
Ambient temperature range		-30 +50 (-30 +50 (-22 +122)		
Supply voltage tolerance		AC: ±10	DC: ±10		
Max. switching frequency		15	15 000		
ON	ms	30 .	50		
OFF	ms	AC: 70 100	DC: 30 50		
Weight - valve with 1 solenoid - valve with 2 solenoids			1.1 (2.43) 1.5 (3.31)		
		_			
		Ту	Туре		
	ON OFF	t T bar (PSI) °C (°F) °C (°F) °C (°F) % 1/h ON ms OFF ms d kg (lbs)	A, B bar (PSI) 320 (t T bar (PSI) 100 (°C (°F) -30 +80 (°C (°F) -30 +80 (°C (°F) -30 +80 (°C (°F) -30 +50 (% AC: ±10 1/h 15 (ON ms 30 OFF ms AC: 70 100 d ds kg (lbs) 1.1 (

		J1
General information	GI_0060	Products and operating conditions
Coil types / connectors	C_8007 / K_8008	C19B* / K*
Mounting interface	SMT_0019	2 - (Former CETOP-RP 121H) / 3 - ISO 4401-AA-02-4-A (DIN 24340-A4)
Spare parts	SP_8010	

Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

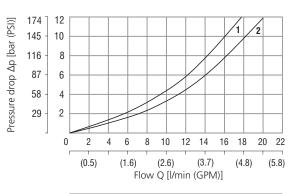
Operating limits

Operating limits for maximum hydraulic power at rated temperature and supply voltage equal to 90% nominal.



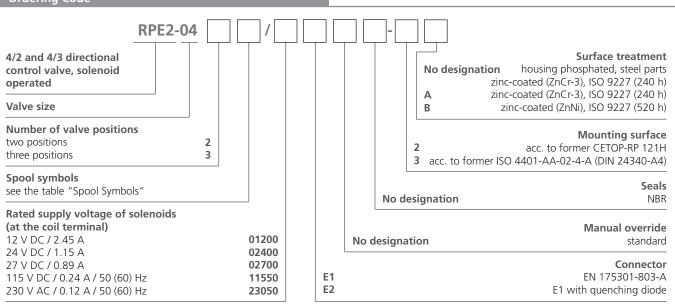
For operating limits under conditions and flow directions other than shown contact our technical support.

Pressure drop related to flow rate



For all Functional Symbols		
$P \rightarrow T$	1	
$P \rightarrow A$	2	
$P \rightarrow B$	2	
$A \rightarrow T$	2	
$B \rightarrow T$	2	





- For directional valves with two solenoids, one solenoid must be de-energized before the other solenoid can be charged.

- If the pressure exceeds 100 bar with spool types A51 or J75, port T should be connected directly to the tank.

- For other solenoid voltage supply options see data sheet C_8007.

- The solenoid operated valves are delivered without connectors. For available connectors see data sheet K_8008.

- The orifice to the P port can be ordered separately, see data sheet SP_8010.

- Mounting bolts M5 x 35 DIN 912-10.9 or studs must be ordered separately. Tightening torque is 5+1 Nm (3.7+0.7 lbf.ft).

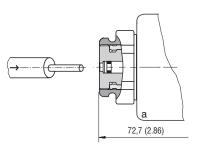
- Besides the commonly used valve versions shown other special models are available. Contact our technical support

for their identification, feasibility and operating limits.

Spool	Symbols						
Туре	Symbol	Interposition	Туре	Symbol	Interposition	Туре	Symbol Interposition
Z11			R11			C51	
C11			A51			R21	
H11			P51			X11	
P11			Y51			Z11	
Y11			Z51			C11	
L21			Z71			J15	
B11			Z81			J75	

Manual Override in millimeters (inches)

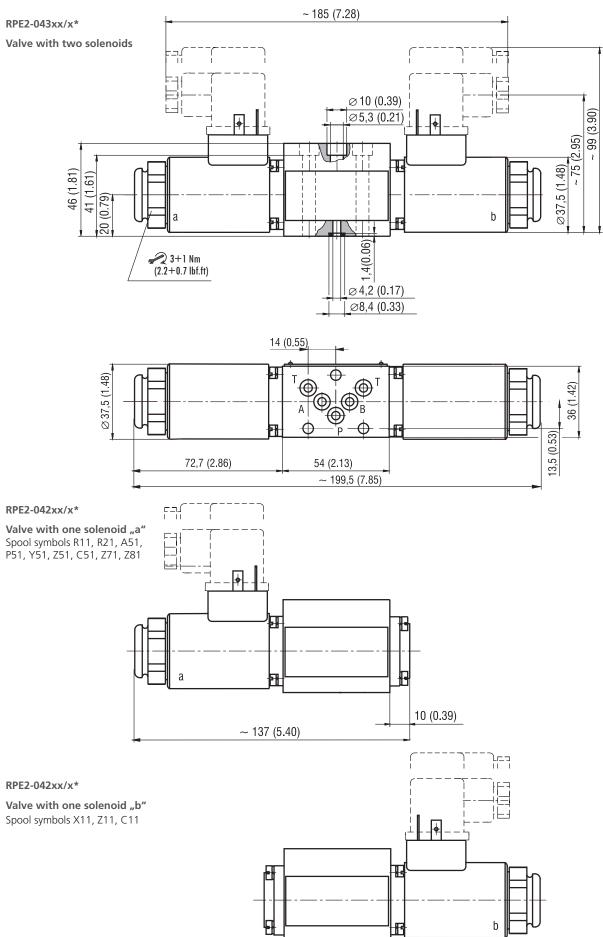
No designation - standard



In case of solenoid malfunction or power failure, the spool of the valve can be shifted by manual override as long as the pressure in port T does not exceed 25 bar (363 PSI). For alternative manual overrides contact our technical support.



Installation dimensions 2 (former Norm CETOP-RP 121H)





Installation dimensions 3 (former Norm to DIN 24340-A4)

