

Pressure relief valves type REM

two stage, flange mounting SAE 3/4", 1", 11/4"



C073

3 MAIN CHARACTERISTICS OF PRESSURE RELIEF VALVES TYPE REM

Assembly position	These valves can be installed in any position on the outlet port P of pumps with SAE flange attachments and in particular on PFE vane pumps					
Subplate surface finishing	Roughness index Ra 0,4 - flatness ratio 0,01/100 (ISO 1101)					
Ambient temperature	-20°C to + 70°C					
Fluid	Hydraulic oil as per DIN 51524 535; for other fluids see section 1					
Recommended viscosity	15 ÷ 100 mm²/s at 40°C (ISO VG 15 ÷ 100)					
Fluid contamination class	ISO 4401 class 21/19/16 NAS 1638 class 10 (filters at 25 μ m value with β 25 \ge 75 recommended)					
Fluid temperature	-20°C +60°C (standard seals) -20°C +80°C (/PE seals)					
3.1 Coils characteristics						

Insulation class	Н					
Connector protection degree	IP 65					
Relative duty factor	100%					
Supply voltage and frequency	See electric feature 🛛					
Supply voltage tolerance	± 10%					
Certification (only for -I and -ER version)	cURus North American standard					

4 REGULATED PRESSURE VERSUS FLOW DIAGRAMS based on fluid viscosity of 25 mm²/s at 40°







5 MINIMUM PRESSURE VERSUS FLOW DIAGRAMS based on fluid viscosity of 25 mm²/s at 40° C







6 ELECTRIC CONNECTORS ACCORDING TO DIN 43650 FOR REM WITH SOLENOID VALVE

The connectors must be ordered separately

Code of connector	Function					
666	Connector IP-65, suitable for direct connection to electric supply source					
667	As 666 connector IP-65 but with built-in signal led, suitable for direct connection to electric supply source					

For other available connectors, see tab. E010 and K500.

7 ELECTRIC FEATURES FOR AGAM WITH SOLENOID VALVE

Solenoid valve type	d External supply nominal voltage ± 10% (1)		Voltage code	Type of connector	Power consumption (3)	Code of spare coil DHI	Colour of coil label DHI	Code of spare coil DHE	Code of spare coil DHER
DHI DHE DHER	DC	12 DC 24 DC 110 DC 220 DC	12 DC 24 DC 110 DC 220 DC	666 or 667	33 W (DHI) 30 W (DHE, DHER)	COU-12DC /80 COU-24DC /80 COU-110DC /80 COU-220DC /80	green red black black	COE-12DC/10 COE-24DC/10 COE-110DC/10 COE-220DC/10	COER-12DC/10 COER-24DC/10 COER-110DC/10 COER-220DC/10
	AC	110/50 AC (2) 115/60 AC 120/60 AC 230/50 AC (2) 230/60 AC	110/50/60 AC 115/60 AC (5) 120/60 AC (6) 230/50/60 AC 230/60 AC	666 or 667	60 VA (DHI) 58 VA (DHE, DHER) (4)	COI-110/50/60AC /80 - COI-120/60AC /80 COI-230/50/60AC /80 COI-230/60AC /80	yellow - white light blue silver	COE-110/50/60AC/10 COE-115/60AC/10 - COE-230/50/60AC/10 COE-230/60AC/10	COER-110/50/60AC/10 COER-115/60AC/10 - COER-230/50/60AC/10 COER-230/60AC/10

(1) For other supply voltages available on request see technical tables E010, E015.

(6) Only for DHI

 ⁽²⁾ Coil can be supplied also with 60 Hz of voltage frequency: in this case the performances are reduced by 10 ÷ 15% and the power consumption is 55 VA (DHI) and 58 VA (DHER)
(3) Average values based on tests performed at nominal hydraulic condition and ambient/coil temperature of 20°C.

 ⁽⁴⁾ When solenoid is energized, the inrush current is approx 3 times the holding current. Inrush current values correspond to a power consumption of about 150 VA.
(5) Only for DHE and DHER



Overall dimensions refer to valves with connectors type 666.



10 ASSEMBLY EXAMPLE OF A REM VALVE ON A PFE PUMP

