

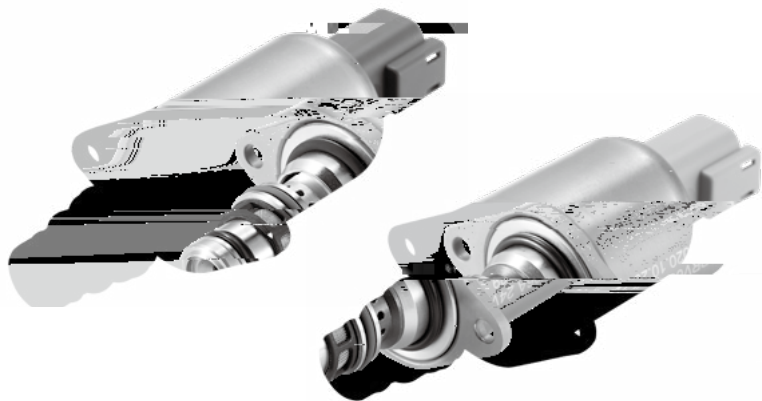


4.2.2

PPRV-05 TYPE

ELECTRIC PROPORTIONAL PRESSURE REDUCING VALVE

Size	05
Rated pressure(bar)	60
Set pressure(bar)	32
Rated flow(L/min)	10

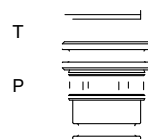
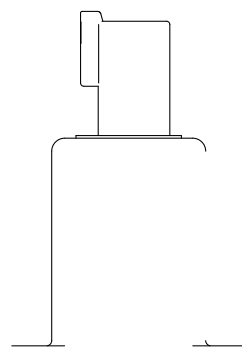


04

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Ordering code



Technical data

General

Weight	0.235Kg
Mounting position (recommended)	Optional, valve sleeve vertically downward
MTTF _d - value	150 years
Fluid temperature range	-30 to 80

Hydraulic

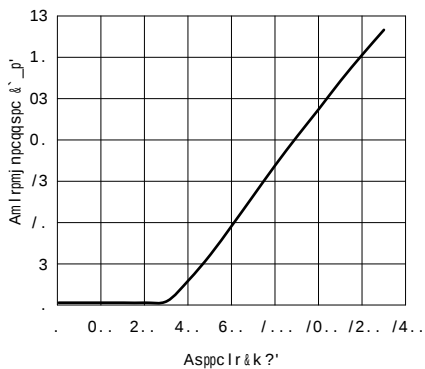
Max. pressure pump	$P_p = 60\text{bar}$
Max. pressure tank	$P_T = 30\text{bar}$
Max. working pressure	$P_A = 32\text{bar}$
Hysteresis	< 4 % of the nominal pressure at 180 Hz PWM signal
Maximum permitted degree of the contamination of hydraulic fluid cleanliness class	NAS1638 Class 9 and ISO4406 Class 20/18/15
Hydraulic fluid	Mineral oil according to DIN 51524
Hydraulic fluid temperature range	-30 to 105
Leakage	< 70mL/min (de-energized)
	< 300mL/min (energized)
Filterscreen size	140 μm (Port P)

Electrical

Operating voltage (amplifier)	12 V	24 V	24 V
Max. control current	1500mA	1300mA	750mA
Resistance at 20° C	4.8 Ω	9 Ω	24 Ω
Type of control	Current control PWM 130-200 Hz recommended		
Connector	Deutsch Connector DT04-2P		
Protection Class	IP6K6/IPX9K		
Response time	$t_{on} < 40\text{ms}$		
	$t_{of} < 40\text{ms}$		

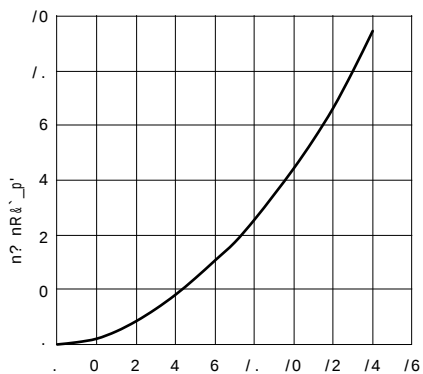
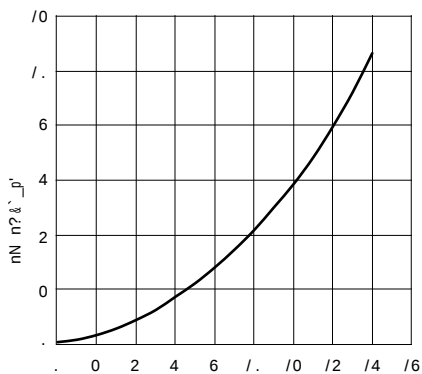
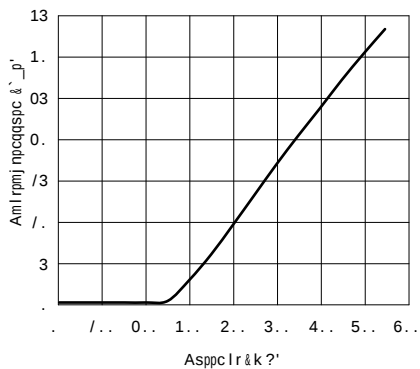
Curve: P-I

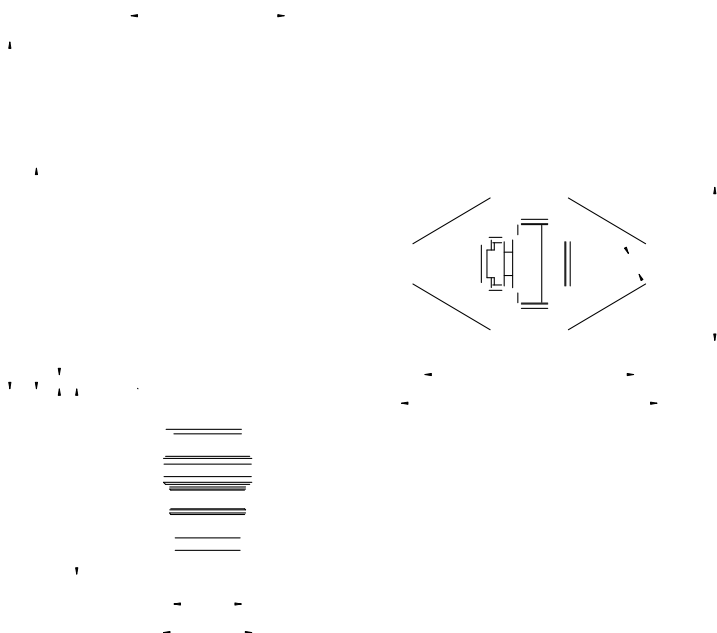
PPRV-05-L



Curve: P-I

PPRV-05-S





Cavity dimensions

