

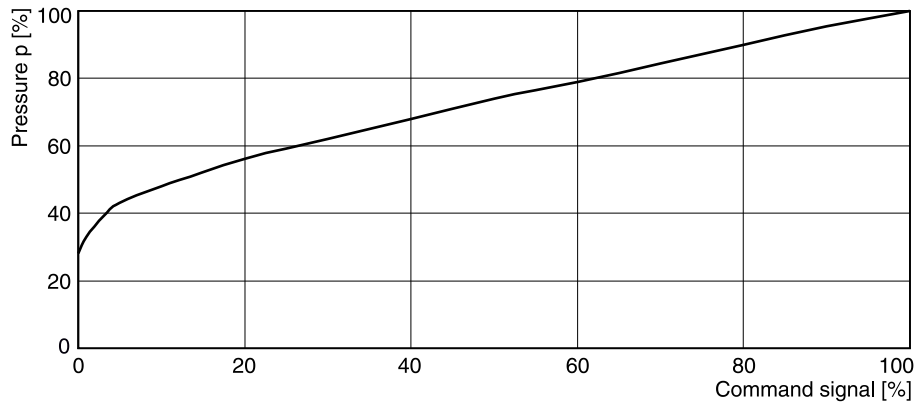
Technical Data

General							
Nominal size		NG16	NG25	NG32	NG40	NG50	NG63
Interface		Slip-in mounting acc. ISO 7368					
Mounting position		as desired, horizontal mounting preferred					
Ambient temperature	[°C]	-20...+60					
MTTF _D value ¹⁾	[years]	75					
Weight	[kg]	2.7	5.2	6.4	9.5	15.2	24.3
Vibration strength	[g]	10 sinus 5...2000 Hz acc. to IEC 68-2-6 30 noise 20...2000 Hz acc. to IEC 68-2-36 15 shock acc. to IEC 68-2-27					
Hydraulic							
Max. operating pressure	[bar]	Ports A and X 350, ports B and Y 30					
Pressure stages	[bar]	105, 175, 250, 350					
Nominal flow	[l/min]	220	500	950	1400	2300	4000
Fluid		Hydraulic oil according to DIN 51524					
Fluid temperature	[°C]	-20...+70 (NBR: -25...+70)					
Viscosity, permitted	[cSt] / [mm ² /s]	20...400					
recommended	[cSt] / [mm ² /s]	30...80					
Filtration		ISO 4406 (1999); 18/16/13					
Electrical							
Duty ratio ED	[%]	100					
Protection class		IP65 in accordance with EN 60529 (with correctly mounted plug-in connector)					
Supply voltage	VDC	18...30, ripple < 5 % eff., surge free					
Current consumption max.	[A]	2.0					
Pre-fusing	[A]	2.5 medium lag					
Potentiometer supply	[V]	+10 / ±5 % max. 10 mA					
Command signal	Code F voltage	[V]	0...+10, ripple < 0.01 % eff., surge free, Ri = 100 kOhm				
	Code R current	[mA]	4...20, ripple < 0.01 % eff., surge free, Ri = <250 Ohm < 3.6 mA = enable off, > 3.8 mA = enable on (acc. NAMUR NE43)				
Differential input voltage max.	[V]	30 for terminal D and E against PE (terminal G)					
	[V]	11 for terminal D and E against 0V (terminal B)					
Adjustment ranges	Min current	[%]	0...50				
	Max current	[%]	50...100				
	Ramp	[s]	0...32.5				
Interface		RS 232C, parametrizing connection 5-pole					
EMC		EN 61000-6-2, EN 61000-6-4					
Central connection		6 + PE acc. EN 175201-804					
Cable specification	[mm ²]	7 x 1.0 overall braid shield					
Cable length max.	[m]	50					

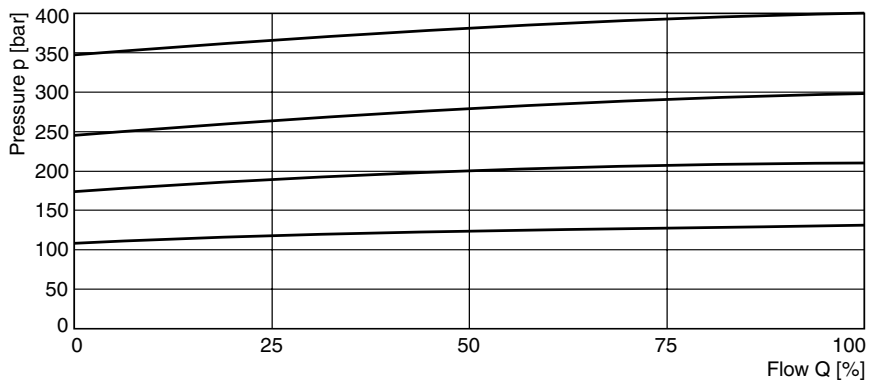
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¹⁾ If valves with onboard electronics are used in safety-related parts of control systems, in case the safety function is requested, the valve electronics voltage supply is to be switched off by a suitable switching element with sufficient reliability.

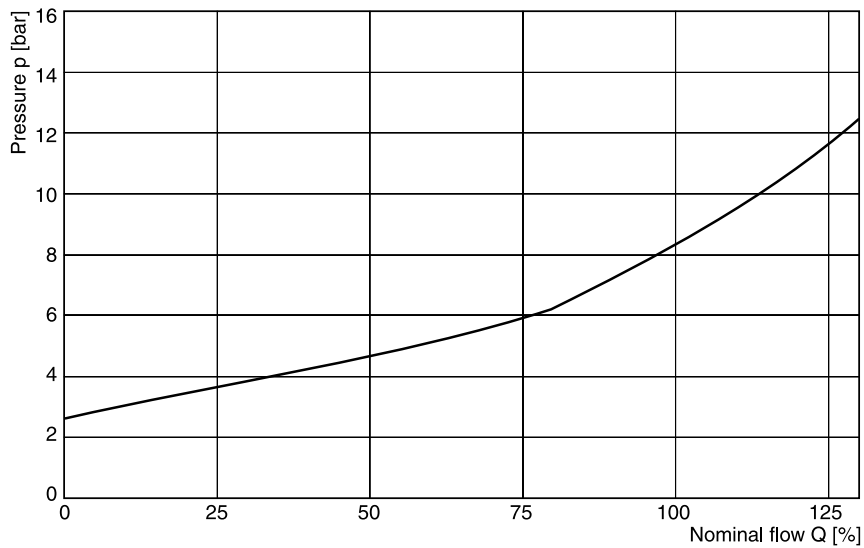
Command pressure curve RE*E*T



p/Q performance curve RE*E*T



Minimum pressure curve RE*E*T



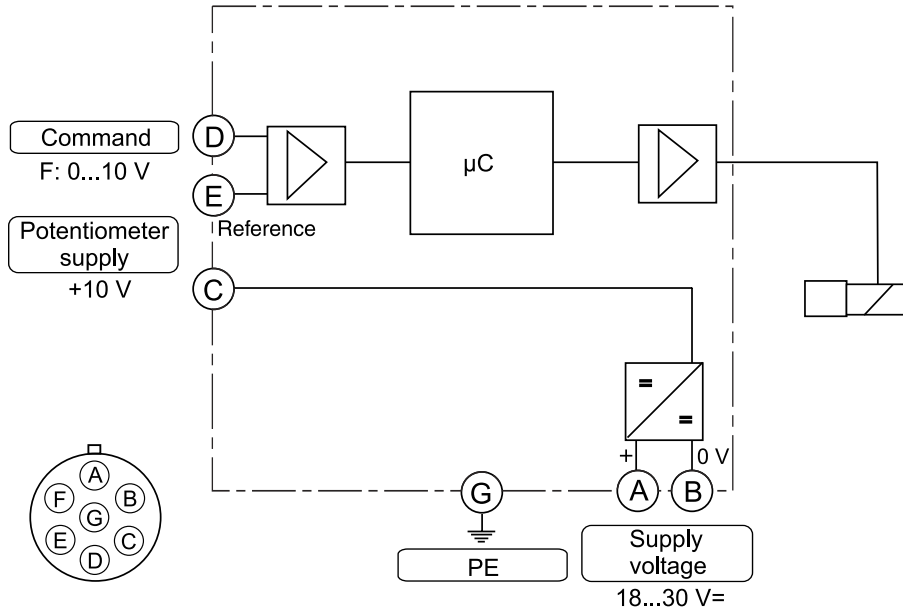
All characteristic curves measured with HLP46 at 50 °C.

The performance curves are measured with external drain. For internal drain the tank pressure has to be added to curve.

Block diagram

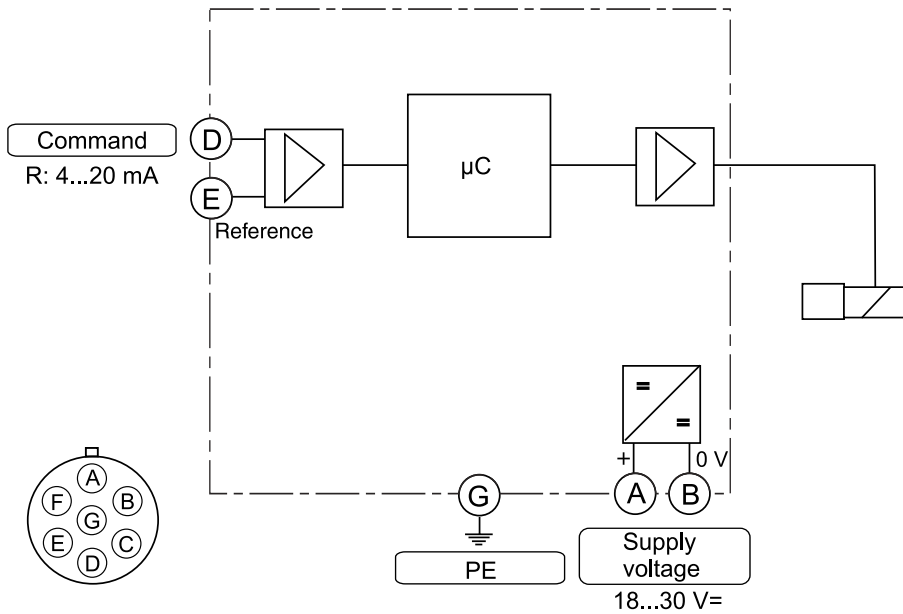
Code F

6 + PE acc. EN 175201-804

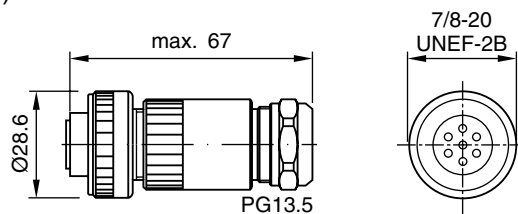


Code R

6 + PE acc. EN 175201-804



Female connector (EMC conform)



Please order plugs separately,
 ID no. 5004072

ProPxD interface program

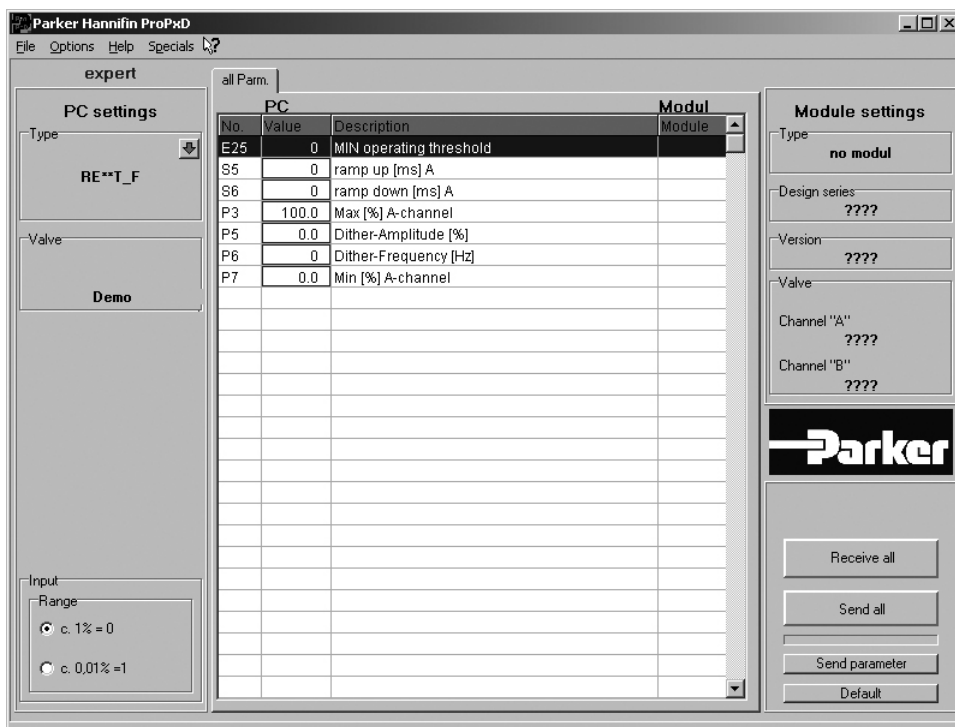
The ProPxD software permits comfortable parameter setting for the module electronics. Via the clearly arranged entry mask the parameters can be noticed and modified. Storage of complete parameter sets is possible as well as printout or record as a text file for further documentation. Stored parameter sets may be loaded anytime and transmitted to other valves. Inside the electronics a non-volatile memory stores the data with the option for recal-ling or modification.

The PC software can be downloaded free of charge at www.parker.com/euro_hcd – see page “Support“ or di-rectly at www.parker.com/propxd.

Features

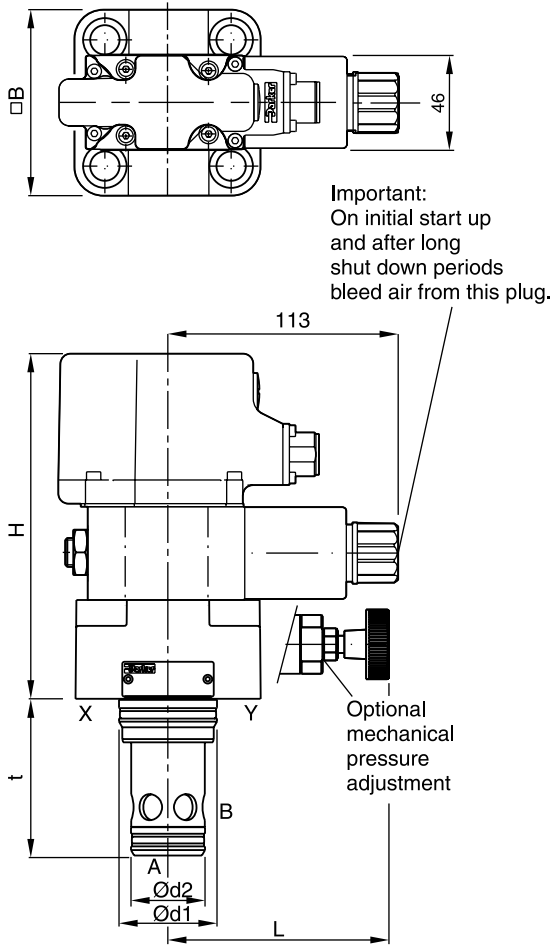
- Comfortable editing of all parameters
- Depiction and documentation of parameter sets
- Storage and loading of optimized parameter adjust-ments
- Executable with all actual Windows® operating systems from Windows® XP upwards
- Plain communication between PC and electronics via serial interface RS232C

The parametrizing cable may be ordered under item no. 40982923.

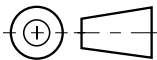
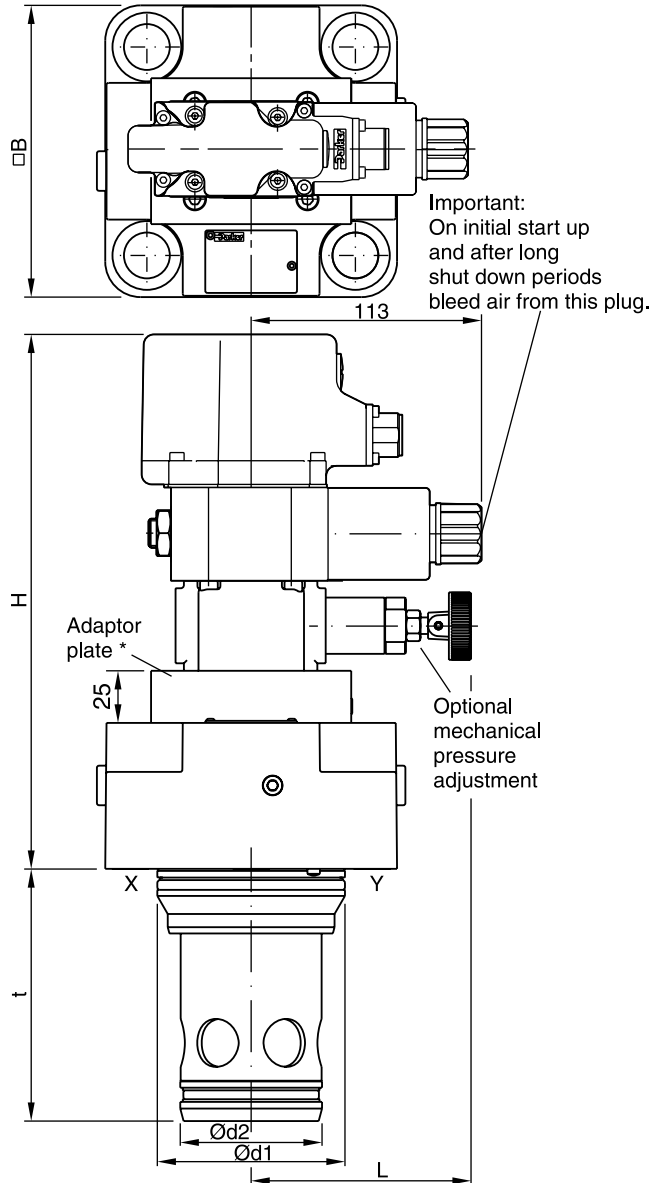


Dimensions

NG16 - NG32



NG40 - NG63 *



NG	H	B	d ₁	d ₂	t	L
16	179	79 ¹⁾	32	25	56	114
25	124	85	45	34	72	102
32	129	102	60	45	85	95
40	139 (182.2) ²⁾	125	75	55	105	106
50	174 (217.2) ²⁾	140	90	68	122	106
63	189 (232.2) ²⁾	180	120	90	155	106

NG	Kit	ISO 4762-12.9	[Nm]	Kit	
				NBR	FPM
16	BK414	4 x M8x40	31.8	SK-RE16EN	SK-RE16EV
25	BK391	4 x M12x50	108	SK-RE25EN	SK-RE25EV
32	BK415	4 x M16x55	264	SK-RE32EN	SK-RE32EV
40	BK416	4 x M20x70	517	SK-RE40EN	SK-RE40EV
50	BK417	4 x M20x75	517	SK-RE50EN	SK-RE50EV
63	BK418	4 x M30x100	1775	SK-RE63EN	SK-RE63EV

* NG40 without adaptor plate.
¹⁾ Width 65 mm.
²⁾ With mechanical pressure adjustment.

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