



**ELECTRICAL SPECIFICATIONS**

Construction	Proportional solenoid, wet pin push type, pressure tight	
Standard nominal voltage	$U_N = 12$ VDC	$U_N = 24$ VDC
	$I_G = 1320$ mA	$I_G = 660$ mA
Limiting current		
Relative duty factor	100% ED/DF (see date sheet 1.1-430)	
Protection class acc. to EN 60529	Connection version D: IP 65 J: IP 66 G: IP 67 and 69K	

Other electrical specifications see data sheet 1.1-173 (W)  
 1.1-174 (M)

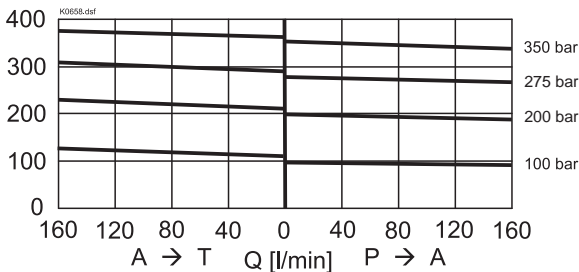
**HYDRAULIC SPECIFICATIONS**

Fluid	Mineral oil, other fluid on request
Contamination efficiency	ISO 4406: 1999, class 18/16/13 (Required filtration grade $\beta_{6...10} \geq 75$ ) refer to data sheet 1.0-50/2
Viscosity range	12 mm <sup>2</sup> /s...320 mm <sup>2</sup> /s
Fluid temperature	-20...+70 °C
Peak pressure	$p_{max} = 400$ bar
Nominal pressure range	$p_{N red} = 100$ bar, 200 bar, 275 bar, 350 bar
Volume flow range	$Q = 0...160$ l/min
Pilot- and leakage volume flow	see characteristics
Repeatability	≤ 3% *
Hysteresis	≤ 4% *

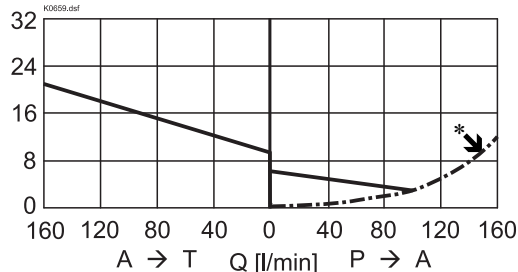
\* at optimal dither signal

**CHARACTERISTICS** Oil viscosity  $\nu = 30$  mm<sup>2</sup>/s

$p_{red} = f(Q)$  Pressure volume flow characteristics  
 $p$  [bar] (Maximal adjustable pressure)

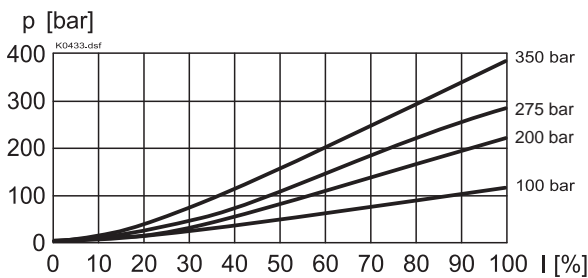


$p_{red} = f(Q)$  Pressure volume flow characteristics  
 $p$  [bar] (Minimal adjustable pressure)

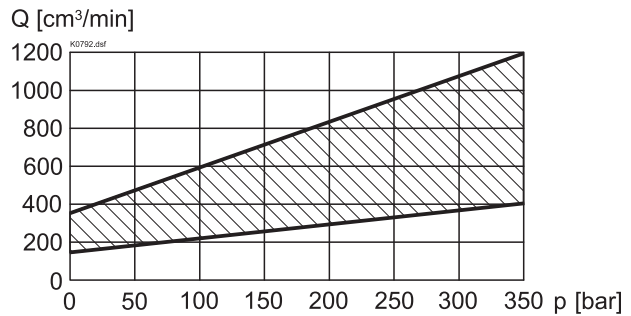


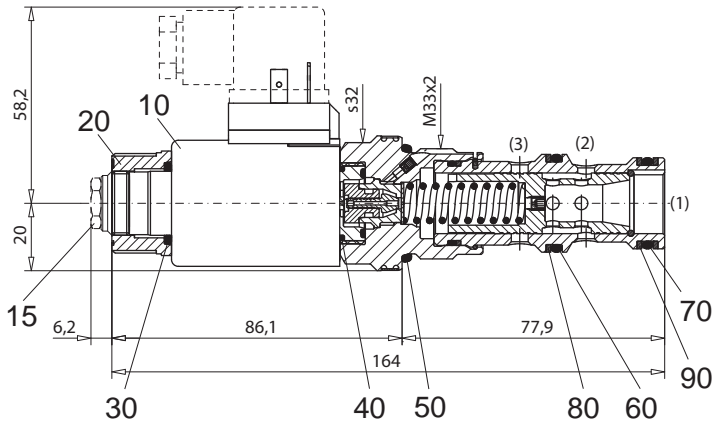
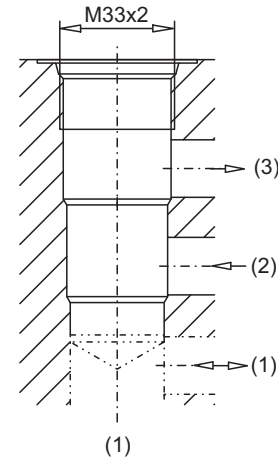
\* Consumption resistance dependent on system

$p_{red} = f(I)$  Pressure adjustment characteristics  
[at  $Q = 0$  l/min (static)]



$Q_{st+L} = f(p_{red})$  Pilot- and leakage volume flow characteristic [A (1) → T (3)]



**DIMENSIONS / SECTIONAL DRAWINGS**

 Cavity drawing acc. to  
 ISO 7789-33-04-0-98


Dimensions of the other connection versions see data sheet 1.1-173

 For detailed cavity drawing  
 see data sheet 2.13-1040

**PARTS LIST**

Position	Article	Description
10	206.2201	EN 175301 Solenoid coil WD37/19x50-G24
	206.2200	Solenoid coil WD37/19x50-G12
		Junior-Timer
	206.2203	Solenoid coil WJ37/19x50-G24
	206.2202	Solenoid coil WJ37/19x50-G12
		Deutsch
206.2205		Solenoid coil WG37/19x50-G24
	206.2204	Solenoid coil WG37/19x50-G12
15	253.8000	HB 4,5 Manual override (data sheet 1.1-300)
	239.2033	HB 0 Plug screw (data sheet 1.1-300)
20	154.2700	Knurled nut
30	160.2187	O-ring ID 18,72x2,62 (NBR)
	160.6187	O-ring ID 18,72x2,62 (FKM)
40	160.2170	O-ring ID 17,17x1,78 (NBR)
	160.6172	O-ring ID 17,17x1,78 (FKM)
50	160.2298	O-ring ID 29,82x2,62 (NBR)
	160.6296	O-ring ID 29,82x2,62 (FKM)
60	160.2235	O-ring ID 23,47x2,62 (NBR)
	160.6235	O-ring ID 23,47x2,62 (FKM)
70	160.2219	O-ring ID 21,89x2,62 (NBR)
	160.6216	O-ring ID 21,89x2,62 (FKM)
80	049.3297	Backup ring RD 24,5x29x1,4
90	049.3277	Backup ring RD 22,5x27x1,4

**ACCESSORIES**

Line mount body	Data sheet 2.9-210
Proportional-Amplifier	register 1.13
Mating connector EN 175301-803	Article no. 219.2002

Technical explanation see data sheet 1.0-100