## Series P8 - NW1.6 and M5, P20 - NW 2.0 and G1/8

Characteristics	Symbol	Unit	Series P8 NW 1.6 and M5			Series P20 NW 2.0 and G1/8			
Actuation			piezo electrical piloted			piezo electrical piloted			
General Features									
Туре			Piezo poppet valve, some overlap		Piezo poppet valve, some overlap				
Mounting			Flange (see dimensional drawing)		Flange to CNOMO (see dimensional drawing)				
Tube connection			Flange / Thread		Flange / Thread				
Thread			M5 – with base plate		G1/8 – with base plate				
Weight		kg	0.050 (pilot valve)		0.080 (pilot valve)				
Flow direction			ON: from 1 to 2	OFF: from 2 to 3		ON: from 1 to 2	OFF: from 2 to 3		
Installation			In any position			In any position			
Ambient temperature range (1	ϑmin. / max.	°C	-10 to +60			-10 to +60			
Medium temperature range (1	ϑmin. / max.	°C	-10 to +60			-10 to +60			
Medium			Filtered air (30µ), nor or minimal oil mist lubrication (max.30mg/m <sup>3</sup> )						
Pneumatic Characteristics									
Nominal pressure	Dmin / max	bar	6			6			
Operating pressure range	Dmin / max	bar	1.2 - 8			1.2 - 8			
Nominal flow	QN	I/min	50 b = 0,34; C = 12,5 l/min bar)		110 b = 0.33	3; C = 26.5 l/min bar)			
Nominal size		mm	1.6		2.0				
Piezo Electrical Actuation									
Approval			EU type test certificate DMT 01 ATEX E 025 X / DMT 01 ATEX E 026 X						
Category, type of protection			II 1G EEx ia IIC T4/T5/T6						
HOERBIGER Code			PT	PM	PN	PN			
Voltage			DC	DC	DC				
Switching voltage	U"on"	V/DC	5.5 – 9	6 – 16	7 – 30				

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	U"off"max*	V/DC	1	1	1			
Current	l"on"	mA	1 – 19	1.7 – 23	2 – 19			
	l"off"max*	mA	0.05	0.1	0.22			
Connection			Plug to DIN 43650A / Plug to DIN 43650B					
Safety data according to EU type test certificate								
Voltage	Ui	V	9	16	30			
Current	li	mA	-	-	-			
External capacitance	Ci	nF	12	12	12			
External inductance	Li	nH	-	-	-			

(<sup>1</sup> Note: When using below freezing point please contact our technical department. \* Broken wire detection

Not suitable as a safety valve No solenoid characteristic, switch on time proof to 90 days, endurance test on going, complete February 2003





