

VDI SAFETY



PED  
2014/68/EU

MICRO

TITAN

TPH

TPS

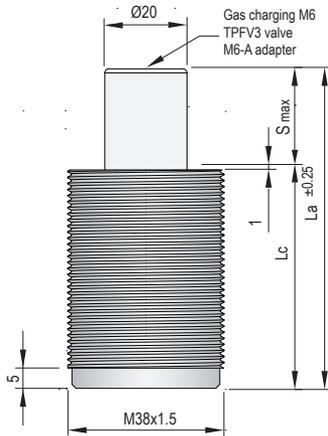
TPSP

TPF

TPK

TPC

TPR



**i** Pressure medium **Nitrogen (N<sub>2</sub>)**

Max. charging pressure **100 Bar**

Min. charging pressure **35 Bar**

Rod seal area **3,14 cm<sup>2</sup>**

Operating temperature **0°C - 80°C**

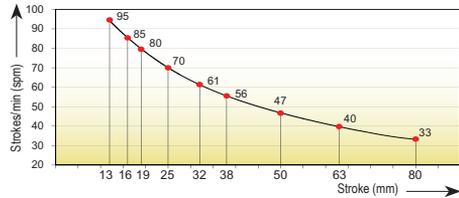
Force increase by temperature **0,33 %/°C**

Max. stem speed **1,6 m/s**

Maintenance kit **Kit R38.1**

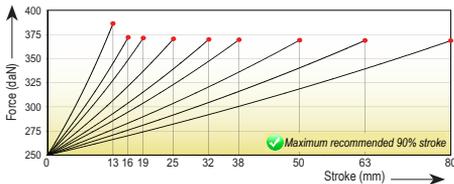


Maximum strokes / minute (at 20°C)

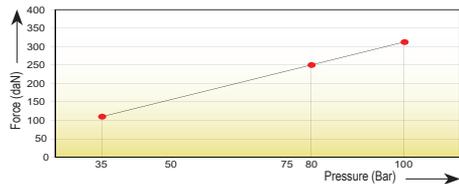


Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg		
TPR 38x13.1	13	56	43	250 ±5% (20°C)	370	390	80 (20°C)	0,012	0,28		
TPR 38x16.1	16	62	46		355	375				0,015	0,30
TPR 38x19.1	19	68	49		355	375				0,018	0,32
TPR 38x25.1	25	80	55		355	370				0,024	0,33
TPR 38x32.1	32	94	62		355	370				0,031	0,35
TPR 38x38.1	38	106	68		355	370				0,037	0,39
TPR 38x50.1	50	130	80		355	370				0,049	0,43
TPR 38x63.1	63	156	93		355	370				0,062	0,48
TPR 38x80.1	80	190	110		355	370				0,078	0,55

Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



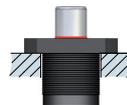
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