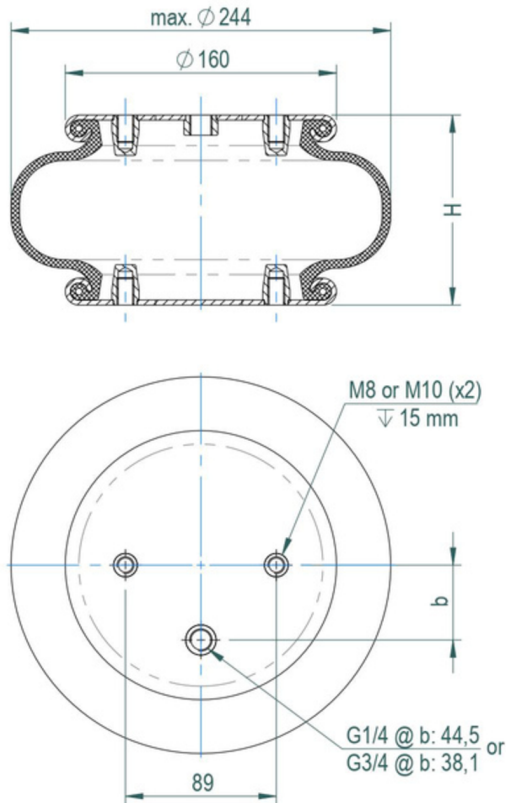


F SERIES
Crimped Design

TV-35-E

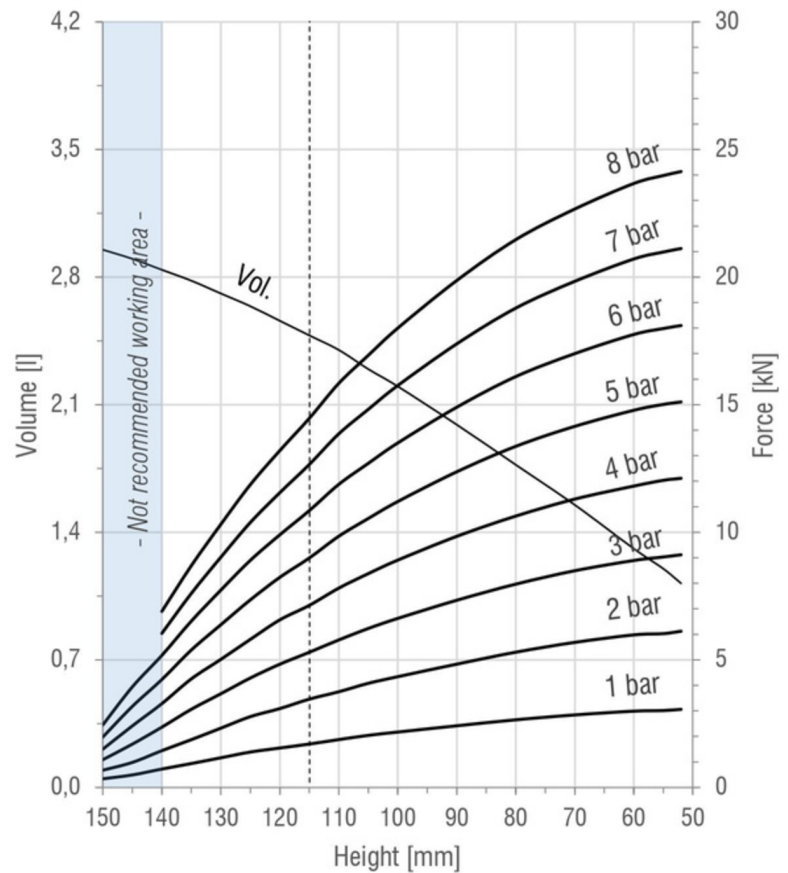
SINGLE
CONVOLUTION

DRAWING



M8&M10=25 Nm G1/4=25 Nm G3/4=50 Nm

FORCE-HEIGHT CHART



TECHNICAL DATA

PRODUCT CHARACTERISTICS

Static diameter [mm]	222
Max. diameter [mm]	244
Required space diameter [mm]	260
Min. height [mm]	52
Static height [mm]	110
Design height [mm]	115
Max. usable height [mm]	140
Max. stroke [mm]	88
Force to compress to H_{min} at 0 bar [N]	80
Weight [kg]	2,3

REFERENCES

M-35-E_B	Rubber bellow only
M-35-E_C_G1/4	With crimped plates & G1/4 air inlet
M-35-E_C_G3/4	With crimped plates & G3/4 air inlet
M-35-E_R_SH	With socket head bead rings
M-35-E_R_TR	With threaded bead rings
M-35-E_R_CS	With countersunk bead rings

Designs available with stainless steel and high temperature rubber compounds. Additional designs on request.

DYNAMIC CHARACTERISTICS FOR USE AS ISOLATOR

Pressure [bar]	3	4	5	6	7	Vol. [l]
Load [kN]	5,3	7,1	9,0	10,8	12,7	2,5
Spring rate [N/mm]	168	218	268	317	367	
Natural frequency [Hz]	2,81	2,76	2,73	2,70	2,69	
Isolation rate at 10 Hz	91,4%	91,7%	92,0%	92,1%	92,2%	

Values at recommended design height H: 115 mm -----

STATIC CHARACTERISTICS FOR USE AS ACTUATOR

Pressure [bar]	3	4	5	6	7	Vol. [l]	
Height H [mm]	60	8,9	11,8	14,8	17,8	20,7	1,3
	70	8,5	11,3	14,1	17,0	19,8	1,6
	80	8,0	10,6	13,4	16,1	18,8	1,8
	90	7,3	9,8	12,4	14,9	17,4	2,0
	100	6,6	8,9	11,2	13,5	15,8	2,2
	110	5,8	7,8	9,8	11,9	13,9	2,4
	120	4,8	6,6	8,2	9,9	11,6	2,6
	130	3,7	5,0	6,4	7,7	9,0	2,7
140	2,4	3,3	4,2	5,2	6,0	2,8	

Force values [kN]

All Volume [l] values at 7 bar