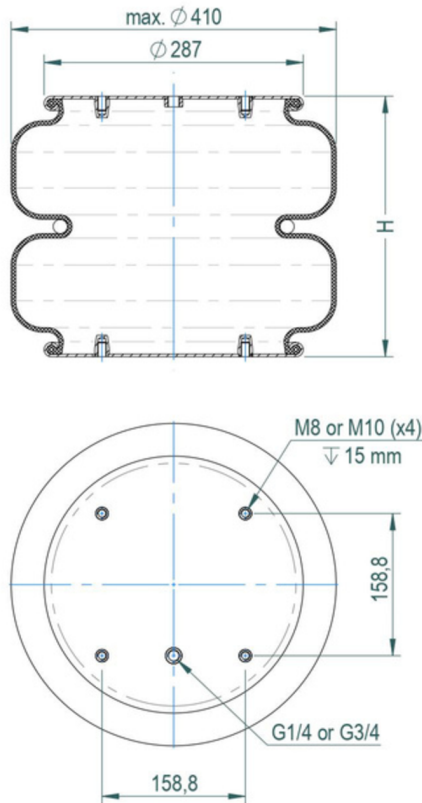


F SERIES
Crimped Design

TV-100-E

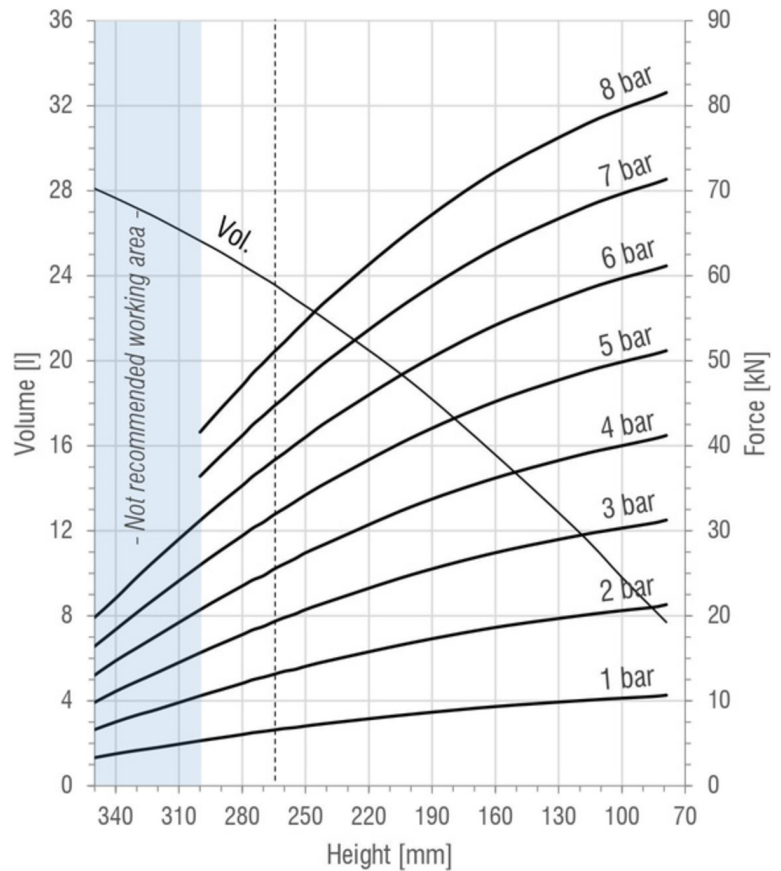
DOUBLE
CONVOLUTION

DRAWING



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

FORCE-HEIGHT CHART



TECHNICAL DATA

PRODUCT CHARACTERISTICS

Static diameter [mm]	362
Max. diameter [mm]	410
Required space diameter [mm]	425
Min. height [mm]	79
Static height [mm]	260
Design height [mm]	265
Max. usable height [mm]	300
Max. stroke [mm]	221
Force to compress to H_{min} at 0 bar [N]	230
Weight [kg]	8,4

REFERENCES

M-100-E_B	Rubber bellow only
M-100-E_C_G1/4	With crimped plates & G1/4 air inlet
M-100-E_C_G3/4	With crimped plates & G3/4 air inlet
M-100-E_R_SH	With socket head bead rings
M-100-E_R_TR	With threaded bead rings
M-100-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]	6,9	9,3	11,6	14,0	16,3	3,0
Spring rate [N/mm]	161,0	204,9	251,9	298,8	345,3	
Natural frequency [Hz]	2,41	2,35	2,33	2,31	2,30	
Isolation rate at 10 Hz	93,8%	94,1%	94,3%	94,4%	94,4%	

Values at recommended design height H: 265 mm - - - - -

STATIC CHARACTERISTICS FOR USE AS ACTUATOR

Pressure [bar]	3	4	5	6	7	Vol. [l]	
Height H [mm]	80	31,3	41,2	51,2	61,2	71,3	7,7
	120	29,5	38,9	48,5	58,1	67,8	11,9
	160	27,4	36,2	45,2	54,2	63,2	15,6
	200	24,8	32,8	40,9	49,0	57,2	19,0
	240	21,6	28,5	35,7	42,8	49,9	21,9
	280	17,8	23,5	29,4	35,3	41,2	24,5
300	15,6	20,7	26,0	31,2	36,4	25,6	

Force values [kN]

All Volume [l] values at 7 bar