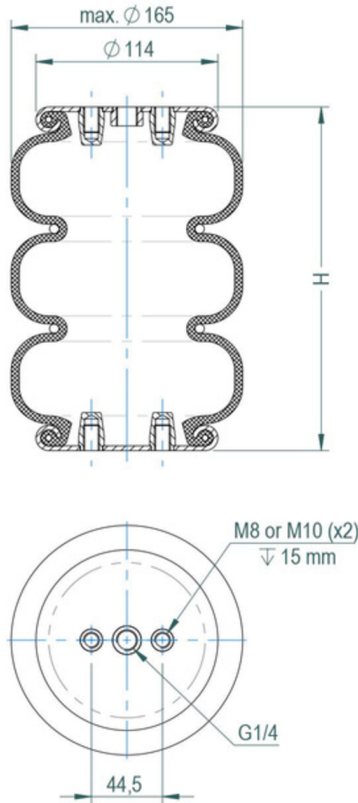


F SERIES
Crimped Design

TV-73-E

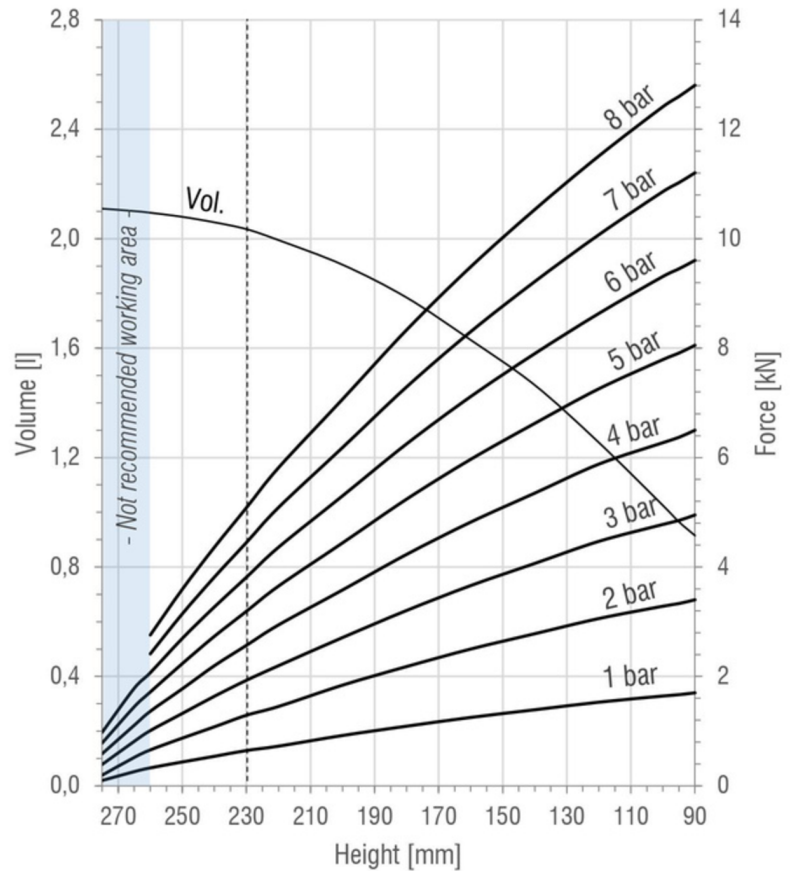
TRIPLE
CONVOLUTION

DRAWING



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

FORCE-HEIGHT CHART



TECHNICAL DATA

PRODUCT CHARACTERISTICS

Static diameter [mm]	146
Max. diameter [mm]	165
Required space diameter [mm]	180
Min. height [mm]	90
Static height [mm]	220
Design height [mm]	230
Max. usable height [mm]	260
Max. stroke [mm]	170
Force to compress to H_{min} at 0 bar [N]	215
Weight [kg]	1,82

REFERENCES

M-73-E_B	Rubber bellow only
M-73-E_C_G1/4	With crimped plates & G1/4 air inlet
M-73-E_R_SH	With socket head bead rings
M-73-E_R_TR	With threaded bead rings

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

! Special guides are required when used as isolators due to lateral instability.

DYNAMIC CHARACTERISTICS FOR USE AS ISOLATOR

Pressure [bar]	3	4	5	6	7	Vol. [l]
Load [kN]	1,9	2,6	3,2	3,8	4,4	2,0
Spring rate [N/mm]	34	45	55	65	75	
Natural frequency [Hz]	2,09	2,09	2,07	2,06	2,06	
Isolation rate at 10 Hz	95,4%	95,5%	95,5%	95,6%	95,6%	

Values at recommended design height H: 230 mm - - - -

STATIC CHARACTERISTICS FOR USE AS ACTUATOR

Pressure [bar]	3	4	5	6	7	Vol. [l]	
Height H [mm]	100	4,8	6,3	7,8	9,3	10,9	1,0
	120	4,5	5,9	7,3	8,6	10,1	1,3
	140	4,1	5,4	6,6	7,9	9,2	1,5
	160	3,7	4,8	6,0	7,1	8,3	1,6
	180	3,2	4,2	5,2	6,3	7,3	1,8
	200	2,7	3,6	4,4	5,3	6,2	1,9
	220	2,2	2,9	3,7	4,4	5,1	2,0
	240	1,6	2,2	2,7	3,3	3,8	2,1
	260	1,0	1,4	1,7	2,1	2,4	2,1

Force values [kN]

All Volume [l] values at 7 bar