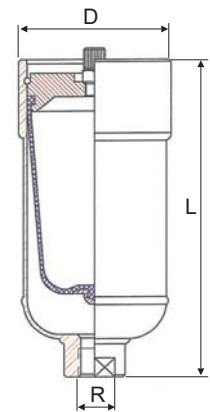


### TECHNICAL FEATURES

Dampener with PP body AND FPM / EPDM bladder

Code (FPM) (EPDM)	Flow (l/h)	Capacity (litre)	Pressure (bar)	R (BSP)	D (mm)	L (mm)	Weight (kg)
18337 18388	1-50	0,07	10	3/8"	60	98	0,25
18343 18394	2,5-100	0,15	10	1/2"	80	135	0,5
18344 18395	100-300	0,35	10	3/4"	90	170	0,8
18345 18396	200-500	0,65	10	3/4"	100	230	1,2
18346 18397	400-2000	1,4	10	3/4"	130	295	2,4



Dampener with AISI316 body AND FPM / EPDM bladder

Code (FPM) (EPDM)	Flow (l/h)	Capacity (litre)	Pressure (bar)	R (BSP)	D (mm)	L (mm)	Weight (kg)
18338 18389	1-50	0,07	210	3/8"	55	98	0,9
18339 18390	2,5-100	0,15	180	1/2"	70	135	1,8
18340 18391	100-300	0,35	130	3/4"	80	170	2,6
18341 18392	200-500	0,65	50	3/4"	90	230	2,5
18342 18393	400-2000	1,4	40	3/4"	110	295	4,6

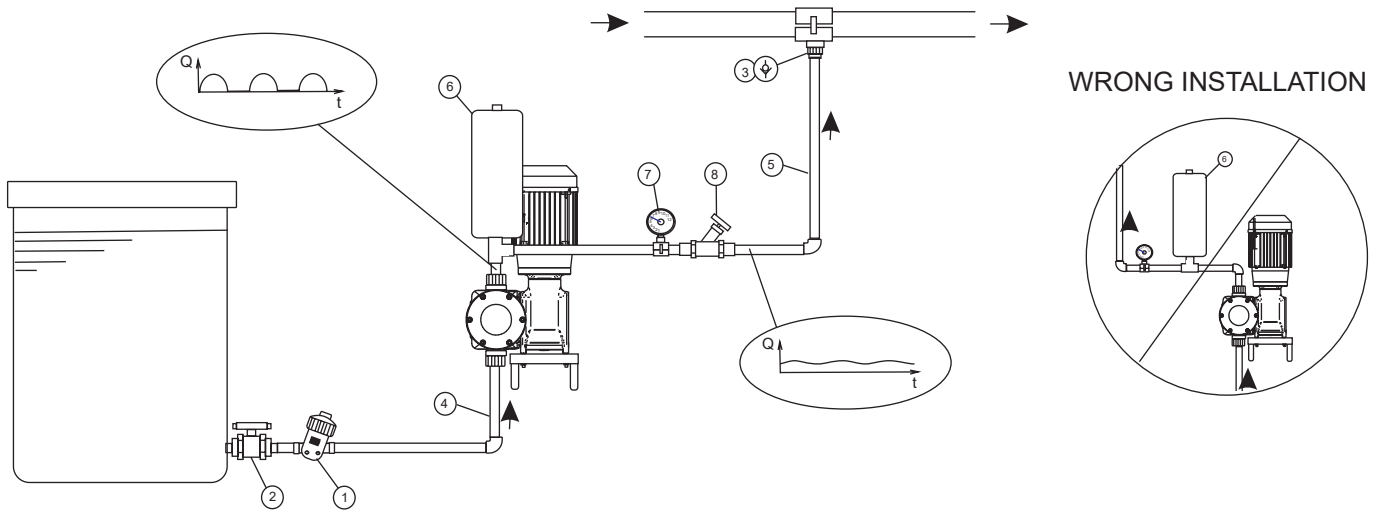
Note: Bladders available in other materials (Nitril,Butil,Silicone)

Dampener with PVDF body AND FPM / EPDM bladder

Code (FPM) (EPDM)	Flow (l/h)	Capacity (litre)	Pressure (bar)	R (BSP)	D (mm)	L (mm)	Weight (kg)
18337-F 18388-F	1-50	0,07	10	3/8"	60	98	0,25
18343-F 18394-F	2,5-100	0,15	10	1/2"	80	135	0,5
18344-F 18395-F	100-300	0,35	10	3/4"	90	170	0,8
18345-F 18396-F	200-500	0,65	10	3/4"	100	230	1,2
18346-F 18397-F	400-2000	1,4	10	3/4"	130	295	2,4

### INSTALLATION

1. FILTER
2. VALVES
3. CHECK VALVES
4. SUCTION LINE
5. INJECTION LINE
6. PULSATION DAMPENER
7. MANOMETER
8. VÁLVULAREGULADORA



### DAMPENER VOLUME CALCULATION

$V_a$  = Dampener volume (L)  
 $Q$  = Dosing pump flow (L/h)  
 $F$  = Dosing frequency (strokes/min.)

Residual pulsation 3%

$$V_a \approx \frac{Q}{3 F}$$

Residual pulsation 6%

$$V_a \approx \frac{Q}{8 F}$$

### DAMPENER INFLATION PRESSURE CALCULATION

$P_a$  = Dampener pressure  
 $P_i$  = Presión instalación

$$P_a \approx 0,75 \times P_i$$

Nota: La presión del amortiguador se puede tarar en fabrica segun necesidades