Pulsation Dampener Size Selection Tables for Air Operated Double ended Diaphragm Pumps "A.O.D.D." P18

Licensed. M. Packer '63

1 *Dampers listed below are from 1000s of "off the shelf" inventory dampers, for preventing pipe systems converting diaphragm changeover pause, into pressure pulses. Prices are tabulated for you at www.pulseguard.com. Call toll free 1-888-DAMPERS(326-7377) for discounts etc. Choose a damper matching your pump connection size, for standard damping. Or allow us to calculate for you, from your smoothness required and your system data.*

When you see a damper or a pump of particular interest, please request literature dedicated to that subject.

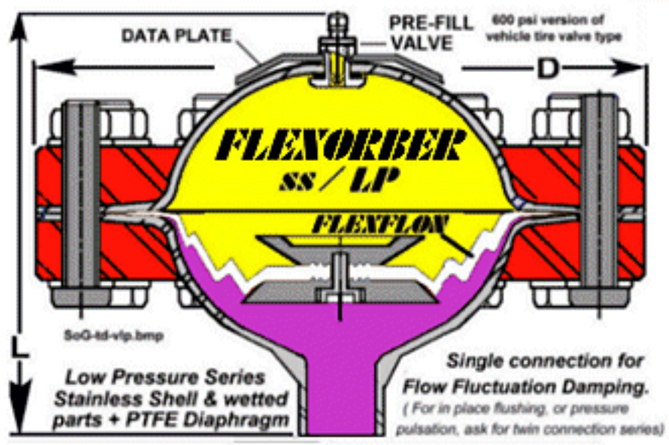
2. *Where no OSHA requirement for in place flush before service, nor process need for 1st in 1st out, constant temp., change of liquid pumped, interception of pressure pulsation, or preventing sedimentation; use second connection to save a "T" for RV. PI, or System Drain. 2 connection dampers are standard lowest cost.*

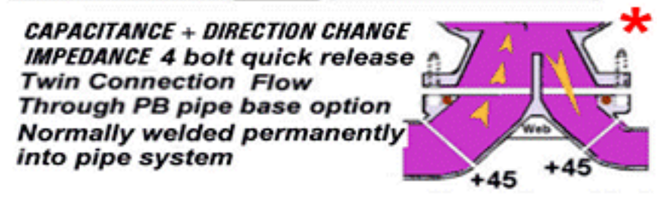
Flexorber ss / LP with "FlexFlon" / PTFE diaphragm

Fit, pre-fill, and forget; no continual extra compressor horse power to waste.
No machined Teflon bellows to keep cracking up, Longer life + lower spares cost.

Please State Material preferences and model Number below when ORDERING :	Connections To Pump	to Sys.	Connct. Type	Length Without Pipes L Inch.	D Inch	Weight Lbs.	Vol. In3	Pres. @93 C Lbs/In²	Wetted your choice Dims. For	Spares Kit Flexflon
AODD-Sog 15	/3/8"x1/4"		/ M NPT /	6.0	6.5	15	/15i	/300p	/316	/DW123BF tfe
AODD-Sog 30	/1/2"x3/8"		/ M NPT /	7.0	7.8	20	/30i	/300p	/316	/DW143BF tfe
AODD-Sog 60	/3/4"x1/2"		/ M NPT /	8.0	8.2	19	/60i	/250p	/316	/DW175BF tfe
AODD-Sog 150	/ 1.0		/ M NPT /	8.5	11.8	28	/150i	/150p	/ 316	/ DW223BF tfe
AODD-Sog 230	/ 2.0		/ M NPT /	9.3	13.8	56	/230i	/150p	/ 316	/ DW268BF tfe
AODD-Sog 350	/ 2.5		/ M NPT /	10.5	17	80	/350i	/150p	/ 316	/ DW305BF tfe
AODD-Sog Vlp450/+PB10	3.0" x	3.0"/37"BW		/14.2	18	160	/450i	/ 200p	/316L	/ DF345 EI DuPont Teflon
AODD-Sog Vlp900/+PB12	4.0" x	4.0"/37"BW		/ 18	24	290	/900i	/ 150p	/316L	/ DF450 EI DuPont Teflon

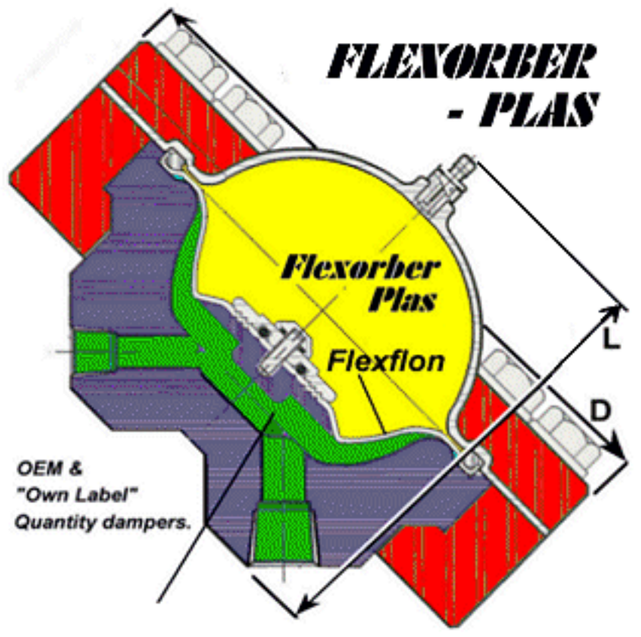
PVDF / TFE coated / lined liquid side shells are available.- these have an ANSI B16.5 face to accept your Kynar or other connection blocks





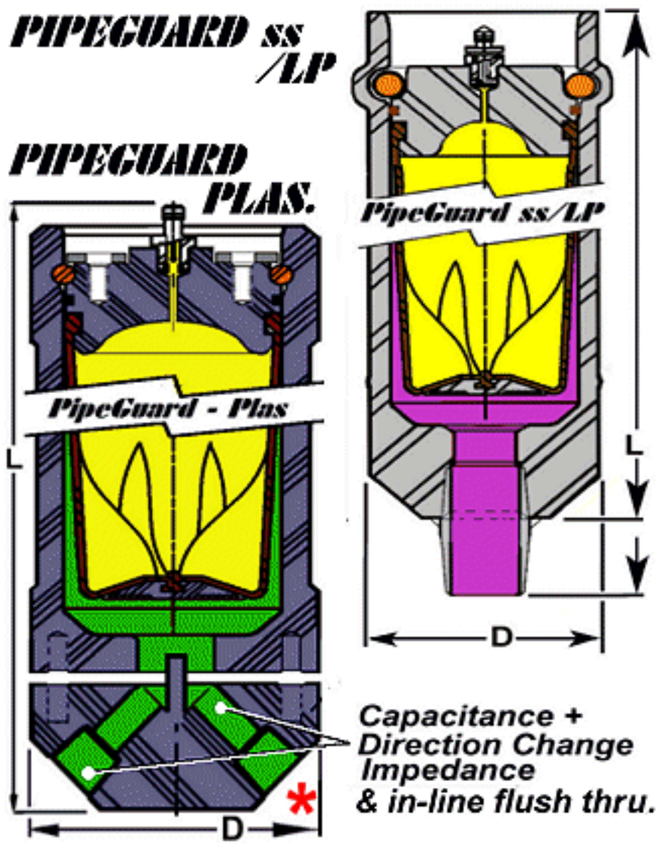
Flexorber -Plas *The Safety of a metal Cushion Chamber and boltings support, plus the compatibility of plastics & FlexFlon*

Please State Material preferences and model Number below when ORDERING :	Connections To Pump	to Sys.	Connct. Type	Length Without Pipes L Inch.	D Inch	Weight Lbs.	Vol. In3	Pres. @ 50 C Lbs/In²	Wetted your choice Dims. For	Spares Kit Flexflon
AODD-SoP 30	/ 0.5 x 0.5		FNPT /	7.0	7.8	12	/30i	/ 125p	/ GF-PP	/DW143BF tfe
AODD-SoP 75	/ 0.75 x 0.5		FNPT /	7.5	10.9	19	/75i	/ 125p	/ GF-PP	/DW187BF tfe
AODD-SoP 150	/ 1.0 x 0.75		FNPT /	9	11.8	25	/150i	/ 125p	/ GF-PP	/DW223BF tfe
AODD-SoP 350	/ 1.5 x 1.0		FNPT /	10.5	17	80	/350i	/ 125p	/ GF-PP	/DW305BF tfe



PipeGuard ss / LP *Longer life, Lower cost than Plastic, & safer.*

Please State Material preferences and model Number below when ORDERING :	Connection to Sys. Inch	Connct. Type	Length Without Pipes L Inch.	D Inch	Weight in 316ss Lbs.	Vol. In3	Pres. @93 C Lbs/In²	Wetted your choice Dims. For	Spares Kit	*
AODD-PigLPss 15	/ 0.5	F npt /	7.5	2.5	5.5	/ 15i	/ 500p	/ 316L	/ B57x98	?
AODD-PigLPss 40	/ 1.0	F npt /	11.2	3.5	15	/ 40i	/ 500p	/ 316L	/B63x190	?
AODD-PigLPss 100	/ 1.5	M npt /	13.3	4.5	23	/100i	/ 500p	/ 316L	/B98x232	?
AODD-PigLPss 180	/ 2.0	M npt /	16	5.5	32	/180i	/ 500p	/ 316L	/B123x295	?
AODD-PigLPss 300	/ 2.5	M npt /	22	6.2	55	/300i	/ 400p	/ 316L	/B139x325	?
AODD-PigLPss 693	/ 3.0	M npt /	24	8.6	78	/693i	/ 350p	/ 316L	/B195x360	?

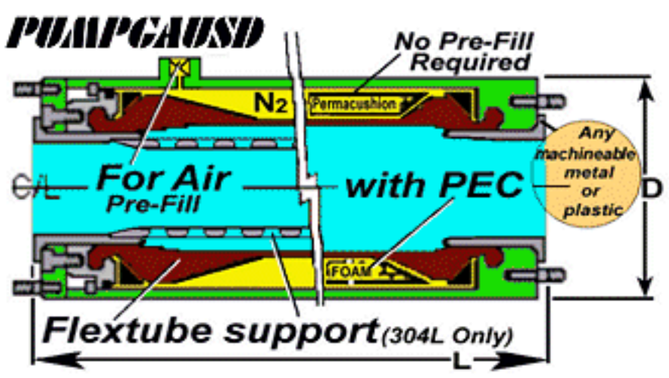


PipeGuard - Plas *Only for applications in which there is no danger in the event of low temperature impact fracture.*

Please State Material preferences and model Number below when ORDERING :	Connections To Pump	to Sys.	Connct. Type	Length Without Pipes L Inch.	D Inch	Weight in PP Lbs.	Vol. In3	Pres. @ 50 C Lbs/In²	Wetted your choice Dims. For	Spares Kit	*
AODD-PigPlas 40	/0.75 x 0.75		F npt /	12.5	3.5	6	/ 40i	/ 150p	/ -PP	/ B63 x190	?
AODD-PigPlas 90	/1.0 x 1.0		Socket /	15	5.3	9	/ 90i	/ 150p	/ -PP	/ B98 x232	?
AODD-PigPlas180	/1.5 x 1.5		Socket /	13	7.5	20	/180i	/ 125p	/ -PP	/ B139x178	?
AODD-PigPlas488	/2.0x2.0		Socket /	22	7.5	23	/488i	/ 125p	/ -PP	/ B139x420	?
AODD-PigPlas1000	/3.0		Flg Face /	34	8.6	68	/ 1000i	/102p	/ -PP	/ B195x720	?
AODD-PigPlas3000	/4.0		Flg Face /	37	11	96	/ 3000i	/ 90p	/ -PP	/ B250x775	?

PumpGuard - Plas or SS wetted "Clear-Flow" and "PermaCushion" Foam

Please State Material preferences and model Number below when ORDERING :	Connections To Pump	to Sys.	Connct. Type	Length L Inch.	Diam D Inch	Weight in 316 SS Lbs.	Vol. Gls.	Pres. @93 C Lbs/In²	Wetted your choice Dims. For	Spares Kit FlexTube	*
AODD-Pug 690	/ 2 x 2		Mnpt /	64	6.6	100	/ 3g	/ 200p	/ 316L /	T74x58x1562x122	?
AODD-Pug 1155	/ 3 x 3		150 # /	55	8.6	200	/ 5g	/ 200p	/316L/	T120x100x1210x190	?
AODD-Pug 2310	/ 4 x 4		150 # /	45	10.7	350	/ 10g/	200p	/316L/	T120x100x1040x252	?
AODD-Pug 3465	/ 6 x 6		150 # /	45	12.7	450	/ 15g/	200p	/316L/	T185x165x1040x242	?
AODD-Pug 4620	/ 8 x 8		150 # /	65	14	950	/ 20g/	200p	/316L/	T239x219x1550x260	?



A20 =Alloy 20, H22 =Hasteloy 22, Ti2 =Titanium 2, Tan =Tantalum, Zir Zirconium, DSS = Duplex Stainless, SDSS =Super Duplex.
* *The question mark "?"* = Letters, showing your choice of compatible elastomer, add the letter to ordering Pt. Nbr. - N=Buna N, E=EP, H=Hypalon,x V=Fluoro-Carbon,x x= addition to cost*

PUMPS make FLOW, SYSTEMS cause PRESSURE, pressure pulsation is a system response, AND a system responsibility NOT a pump manufacturers liability.

For piping bases GOTO http://www.pulseguard.com/pulsation_dampening/select_smooth_percentage/flow_or_pressure/find_pump_f/calc_damper_volume/select_pipe_method/pipe_method.htm