



Stolen from the PulseGuard since 1965

**1** Dampers listed below are from 1000s of "off the shelf" inventory dampers, for preventing pipe systems from converting dosing flow shots into pressure pulsation. Prices are tabulated for you at [www.pulseguard.com](http://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.



It is least expensive to use standard twin connection dampers, save a "T" - use the other connection for the system drain, R.V. or gauge; when not flowing through.

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

**All Stainless Steel Flexorber / LP, with FLEXFLON PTFE**



For LP Dosing Pump discharge & suction of HP pumps where EPDM, Buna N, Hypalon, Fluores are NOT compatible  
Twin connections are off the shelf inventory items. If you do not wish to intercept pressure pulsation, run to flush before service save the cost of an extra "T" and use the second connection for your RV, Drain, or Gauge. For High pressures see PipeHugger /HP

MODEL Nbr. For Purchasing.	/Connections Pmp Sys	/LGTH.DIA. L ins D ins	WGHT. Lbs.	/In3 / PSIG @200F	/Wetted Metal	/Spares Kit Pt. # SK-
LpDos-Sog8	1/4"x1/8" M npt	4.5 6.5	10	/7.5i /300p	316	DW113BF tfe
LpDos-Sog15	3/8"x1/4" M npt	6.0 6.5	15	/15i /300p	316	DW123BF tfe
LpDos-Sog30	1/2"x3/8" M npt	7.0 7.8	20	/30i /300p	316	DW143BF tfe
LpDos-Sog60	3/4"x1/2" M npt	8.0 8.2	19	/60i /250p	316	DW175BF tfe

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

**Liquid in elastomer bladder PipeHugger / LP, 316ss etc wetted**

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MODEL Nbr. For Purchasing.	/Connections Pmp Sys	LNGLTH.DIA. L ins D ins	WGHT. Lbs.	/In3 / PSIG @200F	/Wetted Metal	/Spares Kit Pt. # SK- *
LpDos-Peg10	1/8"F x1/8"F npt	5.4 3.0	5	/10i /750p	316	D64L ?
LpDos-Peg20	3/8"F x3/8"F npt	5.4 4.0	10	/20i /650p	316	D85 L ?
LpDos-Peg40	1/2"F x3/8"F npt	6.3 4.0	12	/40i /600p	316	D115L ?



Elastomer lining same grade as bladder + special metal connection



Has both Flg RF & F NPT. + The Strength of metal with the compatibility of plastic.

Peg / "LND." = Lined limited to 225psi Peg / Plas = PP, PVC etc. connection 250psi max.

**Gas in elastomer Bag PipeGuard / LP Liquid in 316ss shell**

The 1965 Original, no poppet, one piece molded - no glue or bond in the gas bag, pulsation interceptor.  
If you do not want in place flushability, or to intercept pressure spikes, Then save a "T" and use the second connection for your RV, Drain or a PI

MODEL Nbr. For Purchasing.	Connections Pmp Sys	LNGLTH. L ins	DIA. D ins	WGHT. Lbs.	In3 / PSIG @200F	/Wetted Metal	/Spares Kit Pt. # SK- *
LpDos-Pig1	1/4"F x1/8"F npt	4.1	1.4	2.6	/1.0i /1000p	316	B25x50 ?
LpDos-Pig6	3/8"F x1/4"F npt	6.0	2.0	3.0	/6.0i /700p	316	B44x75 ?
LpDos-Pig15	1/2"F x3/8"F npt	7.5	2.5	5.5	/15i /600p	316	B57x98 ?
LpDos-Pig40	3/4"F x1/2"F npt	12.75	2.8	7.0	/40i /600p	316	B63x207?

"Pigs" not available in special metal. For A20, Hastelloy, Monel, Titanium2, see "Peg" above

**Gas in elastomer Bag PipeGuard Plas. Liquid in plastic body**

The 1965 Original, no poppet, one piece molded - no glue or bond in the gas bag, pulsation interceptor.  
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MODEL Nbr. For Purchasing.	/Connections Pmp Sys	/LNGLTH. L ins	DIA. D ins	WGHT. Lbs.	/In3 / PSIG @120F	/Wetted Plastic	/Spares Kit Pt. # SK- *
LpDos-Pig1	1/8"x1/8" F npt	4.125	1.75	1.0	/1i /225p	PVC	B25x50 ?
LpDos-Pig6	1/4"x1/4" F npt	6.25	2.56	2.0	/6i /200p	PVC	B44x75 ?
LpDos-Pig15	1/2"x3/8" F npt	8.125	3.45	5.0	/15i /175p	PVC	B57x98 ?
LpDos-Pig15	" " F npt	" "	" "	4.0	/15i /175p	PP	B57x98 ?
LpDos-Pig60	3/4"x1/2" F npt	12.0	3.45	6.0	/60i /150p	PVC	B63x214?

**3.** \* 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  
A20 = Alloy 20, H22 = Hastelloy 22, Ti2 = Titanium 2, Tan = Tantalum, Zr Zirconium, BSS = Duplex Stainless, SBSS = Super Duplex.

The ratio of cross sectional areas inside the pipes for best pressure stability is 2:6:3:1 Where 2 is a suitable area for constant velocity suction supply, an area of 6 accomodates the peak velocity of the suction stroke. 3 will takes the peak velocity of the discharge stroke, 1 will be ideal for the discharge.

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

**DAMPERS WITH CAPACITANCE + DIRECTION CHANGE IMPEDANCE**

