



INTEGRATED
EQUIPMENT



Pulsation Dampeners

PRESSURE / FLOW CONTROL EQUIPMENT

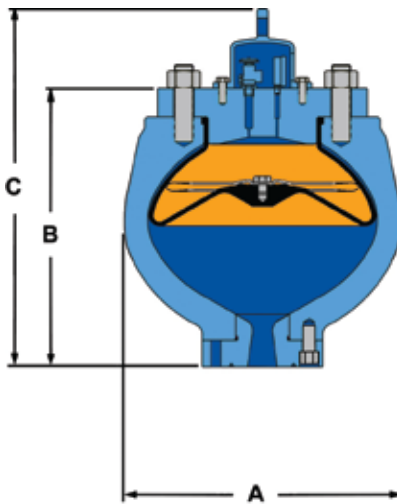
Integrated Equipment, Inc. offers a range of Drilling and Production Pulsation Dampeners that are unique in design and construction. Integrated Dampeners are available from 1 gallon to 20 gallon capacities and in pressure ranges from 285 psi to 7500 psi.

The bodies for both styles are of single piece construction which eliminates the possibility of weld failures in the field. The charging valve for both the Drilling Dampener and the Production Dampener are protected by heavy duty impact resistant protective covers.

Sizing/Selection of Pulsation Dampeners

Pulsation Dampener selection is a critical process which requires a thorough knowledge of a pressure system, the system components and the fluid characteristics. Please consult your Integrated representative for assistance in making sure the Pulsation Dampener you select is right for your specific application.

DRILLING PULSATION DAMPENER



Features

- Single piece construction with no girth welds.
- Inside surface machined for smooth diaphragm movement.
- Field-replaceable top and bottom plates reducing downtime.
- Nitrile (NBR) and Hydrogenated Nitrile (HNBR) diaphragms standard.
- Diaphragm equipped with stabilizer to eliminate possible folding and entrapment of fluids resulting in increased diaphragm life.
- Field replaceable diaphragms reduce maintenance time.
- Diaphragms can be replaced without removing the unit from the line.

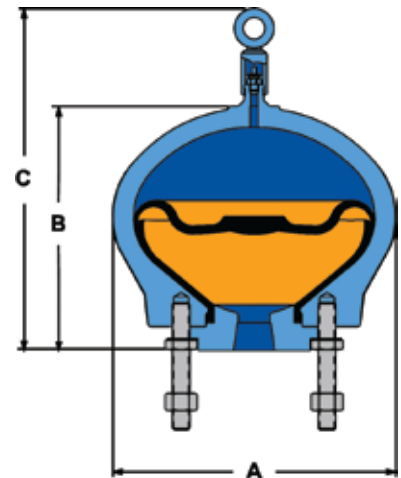
Model	Volume Gallons	MAWP psig	Weight Pounds	Dimensions					
				A		B		C	
				inches	mm	inches	mm	inches	mm
DPD-10-3000	10	3000	950	23.75	603	22.68	576	29.44	748
DPD-10-5000	10	5000	950	23.75	603	22.68	576	29.44	748
DPD-20-3000	20	3000	2500	28.25	718	29.00	737	38.50	978
DPD-20-5000	20	5000	2500	28.25	718	29.00	737	38.50	978
DPD-20-7500	20	7500	2500	28.25	718	29.00	737	38.50	978

PRODUCTION PULSATION DAMPENER

Features

- Short, compact design requires no external bracing or other support structures.
- Isolated body cavity keeps the fluid in the diaphragm.
- Nitrile (NBR) and Hydrogenated Nitrile (HNBR) diaphragms standard.
- Replaceable CS, SS or Duplex jam-nut style bottom plates.
- Sizes range from 1 gallon to 20 gallon.
- Pressure rating from 285 psig to 6170 psig.
- Pressure gauge assembly optional.
- Fully enclosed and protected charging valve assembly.
- Standard applications include waste disposal, salt water injection, caustic products and other corrosive liquids.
- High pre-charge capability delivers excellent dampening performance. A minimum of 85% reduction in peak-to-peak pressure performance is achieved.
- All rubber components supplied with Integrated dampeners as original equipment and furnished as spare parts are under the direct Integrated engineering design and quality control and carry the standard Integrated manufacturers warranty.
- ASME & CRN registration available.

Model	Volume Gallons	MAWP psig	Weight Pounds	Dimensions					
				A		B		C	
				inches	mm	inches	mm	inches	mm
PPD-1-285	1	285	65	10.50	267	9.50	241	16.50	419
PPD-1-1480	1	1480	70	10.50	267	9.75	248	16.75	425
PPD-1-3705	1	3705	160	11.50	292	10.00	254	17.00	432
PPD-1-6170	1	6170	248	12.9	328	11.24	286	19.58	497
PPD-2 1/2-285	2 1/2	285	80	12.75	324	9.50	241	17.25	438
PPD-2 1/2-1480	2 1/2	1480	210	14.25	362	12.50	318	19.25	489
PPD-2 1/2-3705	2 1/2	3705	210	14.25	362	12.50	318	19.25	489
PPD-2 1/2-6170	2 1/2	6170	445	15.69	399	14.47	368	22.49	571
PPD-5-285	5	285	120	16.00	406	13.75	349	20.75	527
PPD-5-1480	5	1480	300	18.00	457	15.50	394	22.50	572
PPD-5-3705	5	3705	300	18.00	457	15.50	394	22.50	572
PPD-5-6170	5	6170	700	20.10	511	17.67	449	25.67	652
PPD-10-285	10	285	400	20.50	521	19.25	489	26.00	660
PPD-10-1480	10	1480	400	20.50	521	19.25	489	26.00	660
PPD-10-3705	10	3705	700	21.50	546	21.25	540	28.00	711
PPD-20-285	20	285	835	24.00	610	21.00	533	27.50	699
PPD-20-2250	20	2250	981	25.50	648	24.00	610	30.75	781



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