Hydril Pressure Control IP™

Pulsation Dampener

Smooth performance in corrosive environments

Product description

Hydril Pressure Control IP pulsation dampeners extend the life and increase the efficiency of suction, discharge and hydraulic flow system lines. Built for industrial and production applications, the non-wetted shell design reduces maintenance requirements while accommodating corrosive process liquids.

Benefits

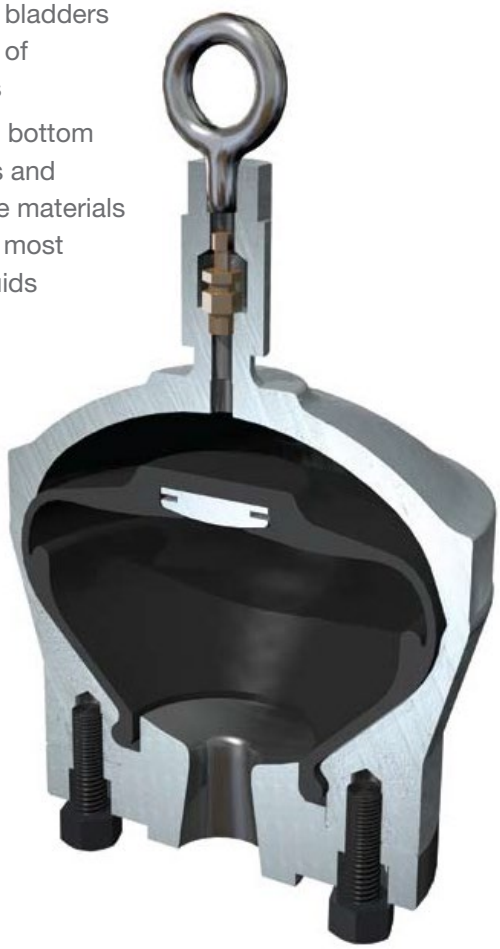
Flexible and reliable, our dampeners/accumulators:

- Prolong the life of pump valves, fluid cylinders, system instrumentation, pipe and fittings by moderating pulsations on the discharge side of reciprocating pumps
- Facilitate acceleration head loss recovery on the suction side of reciprocating pumps
- Prevent “water hammer” damage by minimizing pressure surges.
- Arrest thermal expansion by absorbing additional fluid volume
- Protect rotating machinery and lube oil systems by supplying hydraulic fluid over short intervals during pump or power failure

Key features

Hydril Pressure Control IP dampeners are compact, easy to handle and install, and generally do not require external support. With an isolated body cavity that confines process fluid to an elastomeric bladder, the IP features a cost-effective carbon steel shell and a field-replaceable bottom plate– the only wetted shell material. Superior corrosion resistance means IPs are especially well suited for corrosive applications including waste disposal, salt water injection, and use with acidic and caustic substances. Additional features include:

- Capacities from 0.5 to 20 gallons
- Elastomeric bladders for a variety of applications
- Customized bottom connections and bottom plate materials for use with most process liquids



The Hydril Pressure Control IP Advantage

Offering outstanding performance and a wide range of compatibility options, Hydril Pressure Control IP dampeners/ accumulators were designed specifically for industrial and production operations. Combining efficiency and reliability with superior corrosion resistance, these are the dampeners of choice for surge absorption, thermal expansion and hydraulic accumulator applications.

Engineering Data

275 PSI PreSSure ratIng

Capacity (gal)	Model no.	Dimensions (inches) Width	Shell Height	Overall Height	Weight (lbs)
½	See Note				
1	IP-1-275	10.50	10.00	16.25	70
2½	IP-2½-275	12.75	11.50	17.50	85
5	IP-5-275	16.25	14.50	20.625	130
10	See Note				
20	SS-20-275	24.00	20.75	27.00	450

NOTE: For 10-gallon units, use IP-10-1440 with ANSI 150 connections. For 1/2-gallon units, use IP-1/2-3600 with ANSI 150 connections.

1,440 PSI PreSSure ratIng

Capacity (gal)	Model no.	Dimensions (inches) Width	Shell Height	Overall Height	Weight (lbs)
½	See Note				
1	IP-1-1440	10.50	10.25	16.50	75
2½	IP-2½-1440	14.25	13.00	18.50	220
5	IP-5-1440	17.50	16.25	22.50	310
10	IP-10-1440	20.25	20.125	25.00	410

3,600 PSI PreSSure ratIng

Capacity (gal)	Model no.	Dimensions (inches) Width	Shell Height	Overall Height	Weight (lbs)
½	IP-½-3600	8.25	9.00	14.00	60
1	IP-1-3600	11.25	11.00	17.00	165
2½	IP-2½-3600	14.25	13.75	19.50	220
5	IP-5-3600	17.50	16.50	22.625	305
10	IP-10-3600	21.375	21.25	27.50	708

6,000 PSI PreSSure ratIng

Capacity (gal)	Model no.	Dimensions (inches) Width	Shell Height	Overall Height	Weight (lbs)
1	IP-1-6000	12.625	12.75	19.00	200
2½	IP-2 ½-6000	15.625	15.25	21.50	330
5	IP-5-6000	20.00	17.50	23.75	600

10,000 PSI PreSSure ratIng

Capacity (gal)	Model no.	Dimensions (inches) Width	Shell Height	Overall Height	Weight (lbs)
2½	IP-2 ½-10000	18.00	16.00	22.50	520
5	IP-5-10000	22.50	19.625	26.00	1160