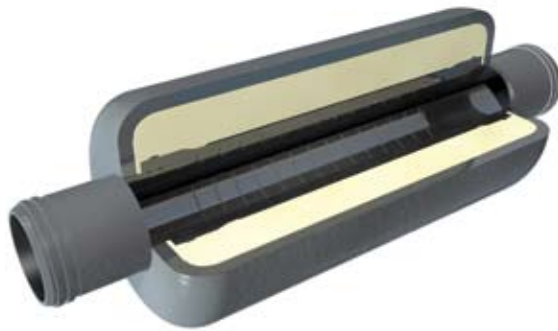


# Hydril PASAFE™

Maintenance-free Performance for Extreme Conditions



## Pressure Control Equipment: Pulsation Dampeners



C-PASAFE



R-PASAFE

### APPLICATIONS & BENEFITS

Hydril PASAFE pulsation dampeners extend pump life and enhance piping system performance by controlling pressure and flow pulsations. Virtually maintenance-free and available in three specialized flow-through designs, PASAFE discharge dampeners and suction stabilizers are engineered specifically to handle abrasive, corrosive, high-temperature and high-pressure fluids in the most extreme environments.

Hydril's R-PASAFE dampeners are ideal for high-temperature or chemical applications— including industrial and oil and gas drilling applications—that can cause compatibility problems with elastomers. The flow-through design of every C-PASAFE unit effectively reduces flow and acceleration-induced pulsations in reverse-osmosis applications. S-PASAFE combination units, with both a large liquid volume and a gas volume, are particularly well suited for slurry and mine dewatering applications.

All PASAFE pulsation dampeners:

- Increase safety and reliability by requiring no gas precharging.
- Handle pressure requirements to 15,000 psi without any reduction of pulsation.
- Require no replacement of internal parts for greater ease of use and economy of ownership.

## KEY FEATURES

Hydril PASAFE dampeners are extremely effective at reducing pulsation created

by the stop and start motion of reciprocating pumps, as well as the acceleration-induced water hammer caused by opening and closing of the pump check valve. Their maintenance-free engineering means no internal parts to replace—ever—and effective, trouble-free performance even under extreme temperatures and pressures.

- **Manufactured, tested and 'U' stamped** in accordance with ASME Boiler and Pressure Vessel Code.
- **Available in a variety of materials**, including carbon steel, stainless steel, duplex stainless steel, HDPE and others.
- **Broad capacity range**—from 1 to 600 gallons.

## THE HYDRIL PASAFE ADVANTAGE

Hydril PASAFE pulsation dampeners represent

the largest selection of maintenance-free units available on the market. Engineered with no elastomeric bladders, seals or other wearable goods, PASAFE units offer economical, durable and trouble-free discharge dampening and suction stabilizing for the extreme conditions found in oil well drilling, slurry pipelines, deep direct lift mine dewatering, chemical processing, water purification and high-pressure water cleaning.

## ENGINEERING DATA

Item	Overall Width (inches)	Outside Diameter of Body (inches)	Weight (pounds)
R12-3600	25	18	310
R14-3705	33	21	360
R24-1480	35.5	24	550
R80-5000	40	39.5	2325
R120-7500	50	50	9900

\*NOTE: R-PASAFEs can be designed with volumes ranging from 1 to 120 gallons and pressure ratings from 285 to 10000 PSI.

### 275 PSI PRESSURE RATING

Model	Connection (inches)	Length (inches)*	Diameter	Weight (pounds)
C001-1200SS or AXN	1	31	4.5	60
C002-1200SS or AXN	1.5	34	4.5	125
C004-1200SS or AXN	2	36.5	8.6	195
C006-1200SS or AXN	3	44	8.62	240
C010-1200SS or AXN	6	38.5	12.75	450
C012-1200SS or AXN	4	44	12.75	400
C020-1200SS or AXN	6	48	16	500

\* Length shown for ANSI 600# flange connection. Victaulic connections also available.

### 275/285 PSI DAMPENERS

Model	Connection (inches)	Length (inches)*	Diameter	Weight (pounds)
C006-0275SS or AXN	3	47.75	8.62	190
C012-0275SS or AXN	4	36.5	12	250
C015-0285SS or AXN	4	42.25	14	300
C020-0275SS or AXN	6	37.5	16	400

### HDPE SUCTION STABILIZERS

Model	Connection (inches)	Length (inches)*	Diameter	Weight (pounds)
C003-0100HPE	2	46	7.13	35
C004-0100HPE	3	46	10.75	45
C006-0100HPE	4	46	14	70
C012-0100HPE	6	50	18	130
C020-0100HPE	8	59	24	225
C020-0100HPE	10	59	24	225

