

Sample Cylinders

The best partner for value creation
We support the innovations of customers



23

Sample Cylinders

Features

- Double-ended sample cylinder
- 304L, 316L stainless steel and alloy 400 available
- Working pressures up to 5000 psig (344 bar)
- Volume from 300 to 2250 cm³
- 1/8", 1/4" and 1/2" female NPT connections
- The body made of seamless tubing
- Cold formed female NPT thread provide greater strength
- Smooth internal surface without foreign particles

Testing

- All double-ended cylinders are hydrostatically tested to at least 5/3 times the working pressure.
- CD18 cylinders are hydrostatically tested at 3050 psig (206bar)
- CD50 cylinders are hydrostatically tested at 8500 psig (586bar)

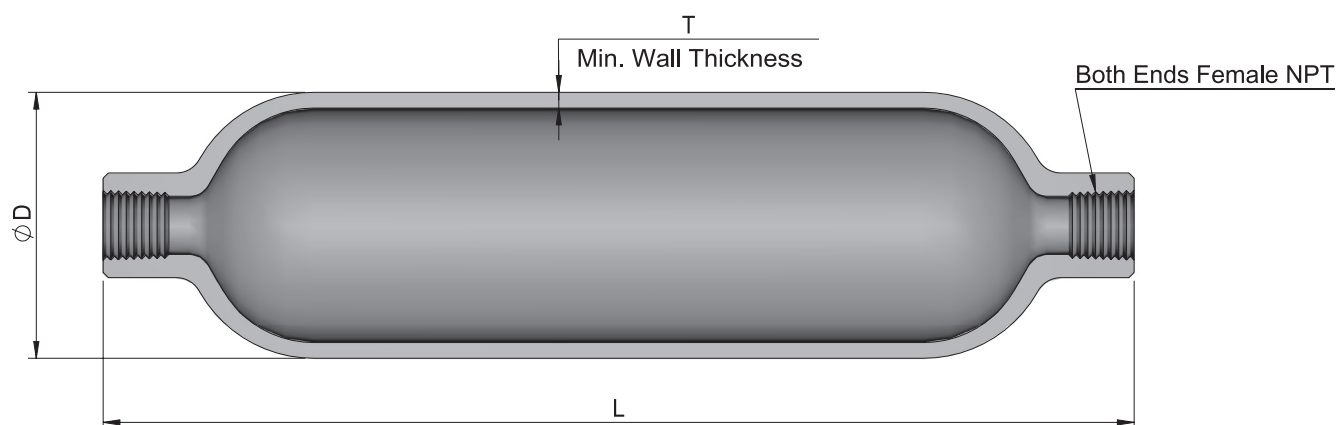


Pressure - Temperature Ratings

Material	CD50 SS316L	CD18 SS316L, SS304L	CD18 Alloy 400
Temperature, °C (°F)	Working Pressure, psig (bar)		
-200 (-325) ~ 37 (100)	5000 (344)	1800 (124)	1800 (124)
93 (200)	3960 (272)	1360 (93.7)	1580 (108)
148 (300)	3570 (245)	1230 (84.7)	1490 (102)
204 (400)	3290 (226)	1130 (77.8)	1430 (98.5)
260 (500)	3060 (210)	1050 (72.3)	1420 (97.8)
315 (600)	2920 (201)	1000 (68.9)	1420 (97.8)
343 (650)	2870 (197)	980 (67.5)	1420 (97.8)
371 (700)	2810 (193)	970 (66.8)	1420 (97.8)
398 (750)	2750 (189)	950 (65.4)	1410 (97.1)
426 (800)	2700 (186)	930 (64.0)	-
454 (850)	2640 (181)	-	-

Ordering Information

CD	18	4N	300	S6L
• Sample Cylinder - CD : Double-Ended	• Pressure Rating - 18 : 1800psi - 50 : 5000psi	• Connection Size - 2N : 1/8"NPT Female - 4N : 1/4"NPT Female - 8N : 3/8"NPT Female	• Internal Volume - 300 : 300 cm ³ - 400 : 400 cm ³ - 500 : 500 cm ³ - 1000 : 1000 cm ³ - 2250 : 2250 cm ³	• Material - S4L : Stainless Steel 304L - S6L : Stainless Steel 316L - A400 : Alloy 400



Pressure – Temperature Ratings

Ordering Number	Pressure Rating psig (bar)	Connection Size, in. NPT	Internal Volume cm ³ ±10%	Dimensions, mm (inch)			Weight kg (lb)
				D	L	T	
CD18-4N-300-S6L	1800 (124)	1/4	300	50.8 (2.00)	227 (8.94)	2.4 (0.093)	0.73 (1.6)
CD18-4N-400-S6L	1800 (124)	1/4	400	50.8 (2.00)	290 (11.4)	2.4 (0.093)	0.95 (2.1)
CD18-4N-500-S6L	1800 (124)	1/4	500	50.8 (2.00)	351 (13.8)	2.4 (0.093)	1.2 (2.6)
CD18-4N-1000-S6L	1800 (124)	1/4	1000	88.9 (3.50)	277 (10.9)	4.6 (0.180)	2.9 (6.5)
CD18-8N-1000-S6L	1800 (124)	1/2	1000	88.9 (3.50)	277 (10.9)	4.6 (0.180)	2.9 (6.5)
CD18-4N-2250-S6L	1800 (124)	1/4	2250	102 (4.00)	437 (17.2)	5.2 (0.206)	6.4 (14)
CD18-8N-2250-S6L	1800 (124)	1/2	2250	102 (4.00)	437 (17.2)	5.2 (0.206)	6.4 (14)
CD50-4N-300-S6L	5000 (344)	1/4	300	48.2 (1.90)	368 (14.5)	6.1 (0.240)	2.5 (5.6)
CD50-4N-500-S6L	5000 (344)	1/4	500	48.2 (1.90)	597 (23.5)	6.1 (0.240)	4.1 (9.1)
CD18-4N-300-A400	1800 (124)	1/4	300	50.8 (2.00)	227 (8.94)	2.4 (0.093)	0.82 (1.8)
CD18-4N-500-A400	1800 (124)	1/4	500	50.8 (2.00)	351 (13.8)	2.4 (0.093)	1.3 (2.9)

S-LOK[®]