

VersaCyl

**THE UNIQUE & VERSATILE SOLUTION
FOR CYLINDER APPLICATIONS**



VersaCyl

Unique in design with its full opening sanitary screw lid, VersaCyl can be used in a wide range of applications and offers the additional benefit of a robust, safe and economical solution.

FEATURES

Ease of use

- Simple screw lid requires no special tools to open or close.

Safety

- Lids and fittings may be removed without the risk of sudden disengagement due to the use of a threaded design.

Sanitary Design

- The primary seal is made using an o-ring which is positioned to minimize dead volume in the cylinder.
- The secondary fittings are also available in “ultra-seal” configuration to assure that the sanitary design is maintained.
- The cylinder can be autoclaved for cleaning and sanitizing.
- Standard finish is 20 Ra (polished and electro-polished) which meets most standards for chemical, food and pharmaceutical applications.

Materials of construction

- All wetted parts are TP 316L Stainless Steel.
- Standard gasket is fluorocarbon; other materials available on request.

Design

- Cylinders are rated at 500 psig @ 325 deg F.
- Cylinders can also be used in cryogenic applications to –300 deg F.
- Due to the use of the o-ring seal, cylinders can be used for full vacuum and oscillate between pressure and vacuum with no leaks – guaranteed.

Sizes

- Diameters are available in (OD) = 1”, 1.5”, 2”, 2.5”, 3”, 4”.
- Heights are available in 3 lengths for each diameter.
- Volumes are available from 9.74 ml – 1,513 ml allowing for a broad range of applications.

Fittings

- VersaCyl is available as standard with either “ultra-seal” fittings or standard NPT fittings.
- Dip tubes are available.

Standardized Design

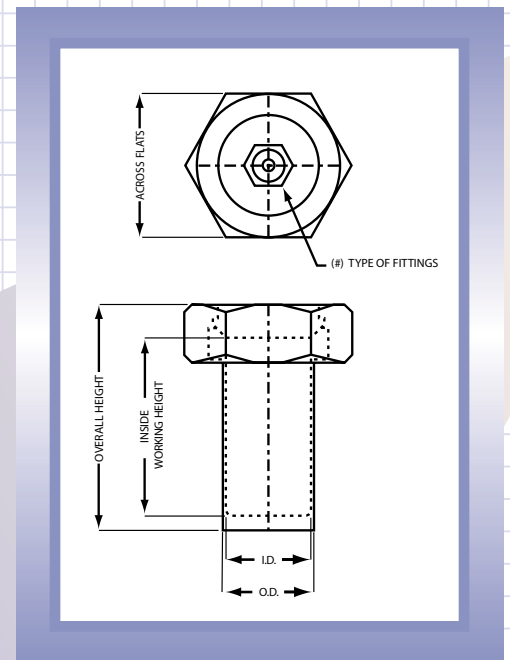
- Because VersaCyl employs a standardized design, parts can be interchanged with no problems. Customers can purchase one cylinder and various cover configurations.

Custom Designs

- VersaCyl is available in custom configurations upon request.
- VersaCyl is also available in exotic materials (Hastalloy, Inconel, etc.).
- VersaCyl is available in coated configurations (Teflon, Kynar, etc.).

Part Number - NPT Part Number - UltraSeal	(#) Size NPT (#) Size UltraSeal	O.D. in O.D. mm	I.D. in I.D. mm	Wall in Wall mm	Working Height in Working Height mm	Overall Height in Overall Height in	Across Flats in Across Flats mm	Volume oz Volume ml	Volume in ³ Volume cm ³
SAN-100-100-1	(1) 1/8" NPT	1.000	0.870	0.065	1.000	1.727	1.810	0.330	0.594
SAN-100-100-2	(1) #6 UltraSeal	25.400	22.100	1.651	25.400	43.866	45.974	9.742	9.742
SAN-100-150-1	(1) 1/8" NPT	1.000	0.870	0.065	1.500	2.227	1.810	0.495	0.892
SAN-100-150-2	(1) #6 UltraSeal	25.400	22.100	1.651	38.100	56.566	45.974	14.612	14.612
SAN-100-200-1	(1) 1/8" NPT	1.000	0.870	0.065	2.000	2.727	1.810	0.660	1.189
SAN-100-200-2	(1) #6 UltraSeal	25.400	22.100	1.651	50.800	69.266	45.974	19.483	19.483
SAN-150-150-1	(1) 1/4" NPT	1.500	1.370	0.065	1.500	2.325	2.410	1.227	2.211
SAN-150-150-2	(1) #6 UltraSeal	38.100	34.798	1.651	38.100	59.055	61.214	36.235	36.235
SAN-150-225-1	(1) 1/4" NPT	1.500	1.370	0.065	2.250	3.075	2.410	1.841	3.317
SAN-150-225-2	(1) #6 UltraSeal	38.100	34.798	1.651	57.150	78.105	61.214	54.352	54.352
SAN-150-300-1	(1) 1/4" NPT	1.500	1.370	0.065	3.000	3.825	2.410	2.454	4.422
SAN-150-300-2	(1) #6 UltraSeal	38.100	34.798	1.651	76.200	97.155	61.214	72.469	72.469
SAN-200-200-1	(2) 1/8" NPT	2.000	1.870	0.065	2.000	2.881	3.000	3.049	5.493
SAN-200-200-2	(2) #4 UltraSeal	50.800	47.498	1.651	50.800	73.177	76.200	90.013	90.013
SAN-200-300-1	(2) 1/8" NPT	2.000	1.870	0.065	3.000	3.881	3.000	4.573	8.239
SAN-200-300-2	(2) #4 UltraSeal	50.800	47.498	1.651	76.200	98.577	76.200	135.019	135.019
SAN-200-400-1	(2) 1/8" NPT	2.000	1.870	0.065	4.000	4.881	3.000	6.097	10.986
SAN-200-400-2	(2) #4 UltraSeal	50.800	47.498	1.651	101.600	123.977	76.200	180.025	180.025
SAN-250-250-1	(3) 1/8" NPT	2.500	2.375	0.063	2.500	3.542	3.590	6.147	11.075
SAN-250-250-2	(3) #6 UltraSeal	63.500	60.325	1.588	63.500	89.967	91.186	181.492	181.492
SAN-250-375-1	(3) 1/8" NPT	2.500	2.375	0.063	3.750	4.792	3.590	9.220	16.613
SAN-250-375-2	(3) #6 UltraSeal	63.500	60.325	1.588	95.250	121.717	91.186	272.238	272.238
SAN-250-500-1	(3) 1/8" NPT	2.500	2.375	0.063	5.000	6.042	3.590	12.294	22.150
SAN-250-500-2	(3) #6 UltraSeal	63.500	60.325	1.588	127.000	153.467	91.186	362.984	362.984
SAN-300-300-1	(3) 1/4" NPT	3.000	2.875	0.063	3.000	4.124	4.190	10.809	19.475
SAN-300-300-2	(3) #6 UltraSeal	76.200	73.025	1.588	76.200	104.750	106.426	319.145	319.145
SAN-300-450-1	(3) 1/4" NPT	3.000	2.875	0.063	4.500	5.624	4.190	16.214	29.213
SAN-300-450-2	(3) #6 UltraSeal	76.200	73.025	1.588	114.300	142.850	106.426	478.717	478.717
SAN-300-600-1	(3) 1/4" NPT	3.000	2.875	0.063	6.000	7.124	4.190	21.618	38.950
SAN-300-600-2	(3) #6 UltraSeal	76.200	73.025	1.588	152.400	180.950	106.426	638.289	638.289
SAN-400-400-1	(4) 1/4" NPT	4.000	3.834	0.083	4.000	5.340	5.440	25.630	46.179
SAN-400-400-2	(4) #8 UltraSeal	101.600	97.384	2.108	101.600	135.636	138.176	756.754	756.754
SAN-400-600-1	(4) 1/4" NPT	4.000	3.834	0.083	6.000	7.340	5.440	38.446	69.269
SAN-400-600-2	(4) #8 UltraSeal	101.600	97.384	2.108	152.400	186.436	138.176	1135.131	1135.131
SAN-400-800-1	(4) 1/4" NPT	4.000	3.834	0.083	8.000	9.340	5.440	51.261	92.359
SAN-400-800-2	(4) #8 UltraSeal	101.600	97.384	2.108	203.200	237.236	138.176	1513.509	1513.509

*Note: Use Suffix **-3** for plain cap configuration (i.e., SAN-xxx-xxx-**3**).



customization



This literature has been designed to allow easy ordering of “Standard” VersaCyl configurations. We encourage our customers to consider the many variations of custom configurations of these cylinders. Our applications engineers will be happy to assist in adapting standard VersaCyl styles to unique applications and customizations as needed.

Some customizations which we have produced include:

- Extended body lengths up to 20 feet long
- Double ended closures
- Exotic materials
- Various coatings and finishes

INDUSTRIES SERVED

- | | |
|---|---|
| + Metalorganics (bubbler cylinders) | + Chemical (storage, shipping, reaction, holding) |
| + Instrumentation feed cylinders | + Military |
| + Medical (gasses and liquids) | + Aircraft |
| + Pharmaceuticals | + Research and development |
| + Electronics | + Mining |
| + Vacuums | + Automotive |
| + Biologics (holding cylinders) | + OEM (Original Equipment Manufacturers) |
| + Printing (high capacity pressurized ink bottles and delivery systems) | + Food |

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