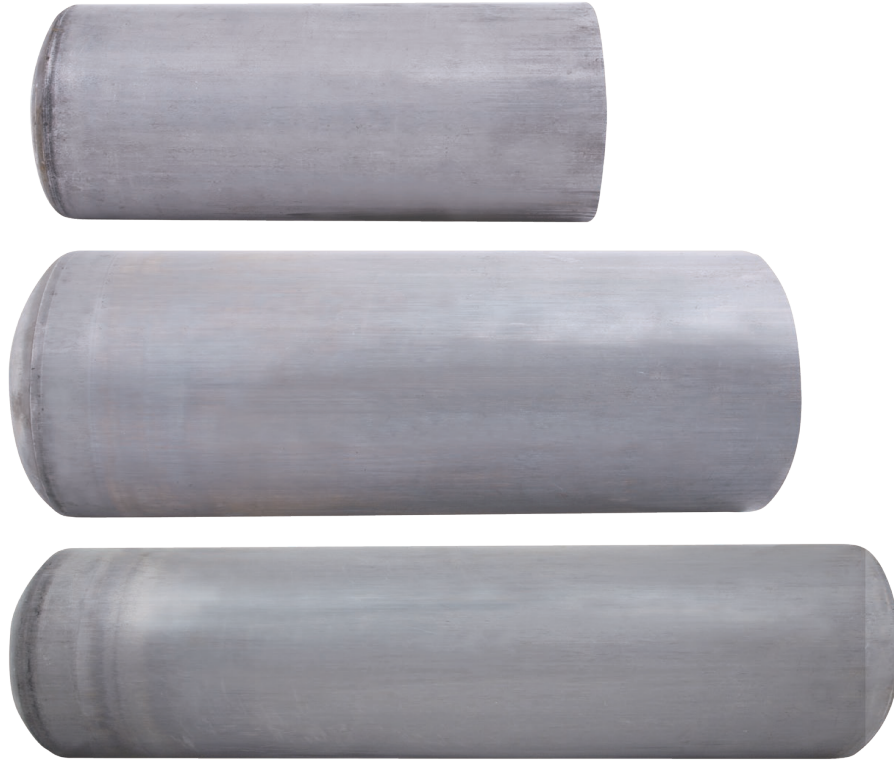


## INDUSTRIAL

## DRAWN SHEET SHELLS



### SPECIFICATIONS

MODEL/SIZE	H290118	H350089	H390120	H420115	H420135	H500170	H590140	H610170	H610230	H700190	H700230
MAXIMUM NOMINAL LENGTH (IN)	11.8	8.9	12.0	11.5	13.5	17.0	14.0	17.0	23.0	19.0	23.0
NOMINAL INSIDE DIAMETER (IN)	2.93	3.45	3.85	4.17	4.17	4.99	5.87	6.13	6.13	6.97	6.97
MINIMUM WALL THICKNESS (IN)	0.037	0.037	0.065	0.042	0.042	0.047	0.050	0.069	0.060	0.055	0.060

### MATERIAL

Shell - AISI C1008 Mild Steel: C - 0.10; Mn - 0.50; P - 0.025; S - 0.015 (% maximums),  
AISI C1018 and other carbon steel grades are available

### TYPICAL SIDEWALL PROPERTIES

Tensile Strength - 90,000 psi

Yield Strength - 80,000 psi Burst occurs in sidewall - ductile failure mode, no fragmentation - typical burst is 2,000 psi

- Typical product applications include filter housings, air accumulators and fire extinguishers with maximum operating pressures of 200 psi (at specified wall thickness).
- Available as a pressure vessel housing with a welded end closure and threaded fitting.
- Custom sizes and vessels for higher pressure applications are available.

200 OLD WILSON BRIDGE ROAD  
COLUMBUS, OHIO 43085  
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WORTHINGTONCYLINDERS.COM





## SPECIFICATIONS

MODEL/SIZE	H290105	H290145	H420145	H420307	H500381	H610493	H700729	H700973
NOMINAL CAPACITY (CU. IN)	105	145	145	307	381	493	729	973
CYLINDER INSIDE DIAMETER (IN)	2.92	2.92	4.17	4.17	4.99	6.13	6.97	6.97
OVERALL LENGTH "L" (IN)	18.25	24.25	12.50	25.25	22.25	19.93	22.18	28.50
MINIMUM WALL THICKNESS (IN)	0.039	0.039	0.042	0.042	0.047	0.070	0.055	0.055
DESIGN TYPE*	C	C	E	C	C	E	E	C

\* DESIGN TYPE C - Cylinder has a circumferential weld seam in the center.  
 DESIGN TYPE E - Cylinder has a circumferential weld seam on one end.

## NOTES

Threaded Fittings - 3/4 NPT, other NPT half-couplings are also available

Shell material - AISI C1008 Mild Carbon Steel

- Suitable for working pressures up to 195 psi\*\*
- 100% Leak tested at > 585 psi Minimum burst pressure 1170 psi.
- Surface Finish - Powder coating: Colors upon request. Also available unpainted.
- Custom sizes and other working pressures are available upon request.

\*\* 195 psi max working pressure is based on safety factors of 3 x WP = Test Pressure and 6 x WP = Burst Pressure. May not be applicable to your product use. The purchaser is responsible for determining suitability of this product for their application and compliance with any regulatory requirements. In order to assist you in ensuring compliance, we must be advised of specific regulatory requirements affecting the manufacture of the filter housing.