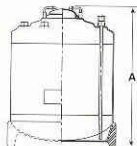
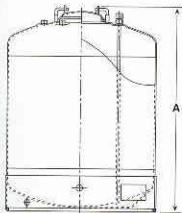


**9" ID SPECIFICATIONS**

CATALOG NUMBER	CAPACITY		"A" DIMENSION HEIGHT*		APPROXIMATE SHIPPING WEIGHT	
	LITERS	GALLONS	MM	INCHES	KG	LBS
72-01 / 74-01**	3.8	1	216.0	8 1/2	4.5	10
72-02 / 74-02**	7.6	2	295.2	11 5/8	6.0	13
72-03 / 74-03**	11.4	3	387.3	15 1/4	7.0	15
72-04 / 74-04	15.2	4	479.4	18 7/8	8.2	18
72-05 / 74-05**	19.0	5	571.5	22 1/2	9.1	20
72-06 / 74-06	22.8	6	664.0	26 1/8	10.4	23
72-07 / 74-07	26.6	7	756.0	29 3/4	12.0	26

**12" ID SPECIFICATIONS**

CATALOG NUMBER	CAPACITY		"A" DIMENSION HEIGHT*		APPROXIMATE SHIPPING WEIGHT	
	LITERS	GALLONS	MM	INCHES	KG	LBS
73-06 / 75-06	22.8	6	429.0	16 7/8	12.0	26
73-07 / 75-07	26.5	7	481.0	18 9/16	13.0	28
73-08 / 75-08	30.4	8	535.0	21 1/16	14.0	30
73-09 / 75-09	34.2	9	587.4	23 1/8	14.5	32
73-10 / 75-10**	37.8	10	643.0	25 5/16	15.4	34
73-11 / 75-11	41.8	11	692.1	27 1/4	16.3	36
73-12 / 75-12	45.6	12	745.0	29 5/16	17.2	38
73-13 / 75-13	49.4	13	797.0	31 3/8	18.1	40
73-14 / 75-14	53.2	14	848.0	33 3/8	19.0	42
73-15 / 75-15	57.0	15	900.0	35 7/16	20.0	44
73-16 / 75-16**	60.8	16	952.0	37 1/2	21.0	46

**18" OD SPECIFICATIONS**

CATALOG NUMBER	CAPACITY		"A" DIMENSION HEIGHT*		APPROXIMATE SHIPPING WEIGHT	
	LITERS	GALLONS	MM	INCHES	KG	LBS
77-20	75.7	20	597.0	23 1/2	41.0	90
77-25	94.6	25	718.0	28 1/4	45.4	100
77-30	113.5	30	839.0	33 1/32	50.0	110
77-35	132.5	35	960.4	37 13/16	54.4	120
77-37.4	141.5	37.4	1018.4	40 3/32	57.0	125

- * The overall height (A dimension) may vary depending on size and type of fittings required.
 ** Indicates stock vessels.

ASME/General Purpose Portable Pressure Vessels Rugged APC Quality That Conforms to Rigorous ASME Requirements

Since their introduction six decades ago, Alloy Products' flexible standard and custom ASME pressure vessels have been a mainstay in a diverse range of applications and industries, including:

- High-purity and industrial chemical



- Pharmaceutical
- Semiconductor
- Dairy, food and beverage
- Water, ink and adhesives



"When I'm out talking to people, I stress our responsiveness and flexibility to change. There aren't many companies out there who are innovators. But if you want something different, we'll go ahead and deliver it. We'll build a prototype and see if it's feasible."

*Mike Reister
Vice President Operations
12 years with
Alloy Products*

All Alloy Products' ASME pressure vessels are constructed to meet or exceed the exacting standards of the American Society of Mechanical Engineers. In terms of design criteria, they fully comply with:

- ASME requirements for "UM" code Unfired Pressure Vessels, Section VIII, Division 1;
- U.S. Occupational Safety & Health Administration "Standards and Interpretations" 1910.106 (b)(1)(v)(b); "Flammable & Combustible Liquids" Section; and
- California Code of Regulations, Title 8, Chapter A, Division of Occupational Safety and Health, Subchapter 1 "Unfired Pressure Vessel Orders" Article 2, Section 460.

The Alloy Products manufacturing facility also conforms to the stringent standards for National Board plant inspections and certification of equipment, personnel and materials. All APC vessels' pressure ratings and temperatures are designated in psi/bar and Fahrenheit/Centigrade.

STOCK ASME VESSELS Virtually any need for an ASME portable stainless steel pressure vessel can be met with the range of available products in Alloy Products' standard ASME line. Standard ASME vessels are offered in fluid capacities ranging from 1 gallon to 37.4 gallons.



CUSTOM ASME VESSELS For extraordinary uses, Alloy Products' ASME pressure vessels can be custom built to fit your exact needs, in a range of capacities up to 300 gallons and with an unlimited choice of options.

CLOSURES Three different ASME vessel closure options cover a wide range of potential uses.

- Standard closures feature a straightforward, reliable design proven through years of use.
- "Wide-mouth" closures allow for easier filling and simpler cleaning and inspection — especially useful when handling high-viscosity or high-purity materials.
- Full-vacuum closures for either vacuum or pressure applications have simple, single hand-turn knobs for easy, reliable sealing.



FITTINGS Adaptability is the key in the size, position and type of fittings you specify for your ASME vessels. Different-size standard NPT or optional sanitary clamp fittings can be installed in various positions on your vessels to accommodate special features such as:

- Level controls
- Sight glass gauges
- Drain or outlet valves
- Sanitary pressure-relief valves

Fittings may also be added in manufacturing and capped for later use to accommodate future needs.

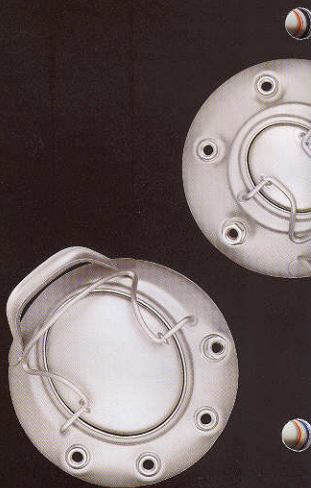
PROTECTIVE SKIRTS & CHIMES Various features can be added to your ASME vessel to protect it during transport and give it a sturdy, stable footing.

- Impact-resistant rubber skirts are standard on 9"- and 12"-diameter ASME vessels.
- Stainless-steel skirts are standard on 18"-diameter ASME vessels, and optional on 9"- and 12"-diameter vessels.
- Ring chimes make it easier to transport vessels and protect fittings and other components during vessel shipment and use.
- Permanent stainless steel handles provide more convenient handling and safer, easier vessel transport.
- Built-in skid mounting makes it easier to transfer larger ASME vessels..



STANDARD OPTIONS A range of options are readily available on Alloy Products' ASME vessels.

- Vacuum closures allow a vessel to hold both vacuum and pressure.
- Closure O-rings can be made of materials other than standard rubber to suit the chemical makeup of the material stored or the pressures required.
- Extra-length stainless steel skirts allow fittings to be installed in a vessel's bottom head.
- Additional dip tubes or special-size tubes can be ordered with either NPT hex adapters or sanitary clamp adapters.
- A wheeled cart assembly with a handle and front support simplifies vessel transport.



MATERIAL SPECIFICATIONS

Capacity: 3.8 to 26.6 liters (1 to 7 gallons)

Material: T-304 standard.
Other materials available.

Inside Diameter: 229mm (9")

Fittings: Four 1/4"-18 NPT female pipe fittings in top head.

Skirt: Rubber. Stainless optional.

Maximum Working Pressure:

Model 72 - 12 bar @ 37.8°C
(175 psi @ 100°F)
Model 74 - 9.5 bar @ 37.8°C
(140 psi @ 100°F)

Surface Finish: White pickle or electropolish.
Other finishes available.

Capacity: 22.8 to 60.8 liters (6 to 16 gallons)

Material: T-304 standard.
Other materials available.

Inside Diameter: 305mm (12")

Fittings: Four 1/4"-18 NPT female pipe fittings in top head.

Skirt: Rubber. Stainless optional.

Maximum Working Pressure:

Model 73 - 11.2 bar @ 37.8°C (165 psi @ 100°F)
Model 75 - 8.7 bar @ 37.8°C (129 psi @ 100°F)

Surface Finish: White pickle or electropolish.
Other finishes available.

Capacity: 76 to 142.1 liters (20 to 37.4 gallons)

Material: T-304 standard. Other materials available.

Outside Diameter: 458mm (18")

Fittings: Four 1/4"-18 NPT female pipe fittings in top head.

Skirt: Stainless

Maximum Working Pressure:

7.8 bar @ 37.8°C (115 psi @ 100°F)

Surface Finish: White pickle or electropolish.
Other finishes available.



PRESSURE RATINGS / 9" ID

TYPE OF STAINLESS STEEL	MAXIMUM OPERATING TEMPERATURE		MODEL 72 MAXIMUM ALLOWABLE PRESSURE		MODEL 74 MAXIMUM ALLOWABLE PRESSURE	
	F	C	PSI	BAR	PSI	BAR
Type 304	100	37.8	175	12.1	140	9.6
	150	65.5	170	11.7	135	9.3
	200	93.3	165	11.4	130	8.9
	250	121.1	160	11.0	130	8.9
	300	148.8	155	10.7	125	8.6
Type 316L	100	37.8	155	10.7	130	8.9
	150	65.5	155	10.7	130	8.9
	200	93.3	155	10.7	130	8.9
	250	121.1	155	10.7	130	8.9
	300	148.8	150	10.3	125	8.8

STANDARD OPENING
MODEL 72WIDE MOUTH
MODEL 74

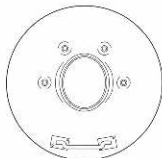
PRESSURE RATINGS / 12" ID

TYPE OF STAINLESS STEEL	MAXIMUM OPERATING TEMPERATURE		MODEL 73 MAXIMUM ALLOWABLE PRESSURE		MODEL 75 MAXIMUM ALLOWABLE PRESSURE	
	F	C	PSI	BAR	PSI	BAR
Type 304	100	37.8	130	8.9	129	8.9
	150	65.5	130	8.9	125	8.6
	200	93.3	120	8.3	120	8.3
	250	121.1	120	8.3	115	7.9
	300	148.8	115	7.9	110	7.6
Type 316L	100	37.8	115	7.9	115	7.9
	150	65.5	115	7.9	115	7.9
	200	93.3	115	7.9	115	7.9
	250	121.1	115	7.9	110	7.6
	300	148.8	110	7.6	110	7.6

STANDARD OPENING
MODEL 73WIDE MOUTH
MODEL 75

PRESSURE RATINGS / 18" OD

TYPE OF STAINLESS STEEL	MAXIMUM OPERATING TEMPERATURE		MODEL 77 MAXIMUM ALLOWABLE PRESSURE	
	F	C	PSI	BAR
Type 304	100	37.8	115	7.9
	150	65.5	110	7.6
	200	93.3	110	7.6
	250	121.1	105	7.2
	300	148.8	100	6.9
Type 316L	100	37.8	95	6.5
	150	65.5	95	6.5
	200	93.3	95	6.5
	250	121.1	90	6.2
	300	148.8	90	6.2

WIDE MOUTH
MODEL 77