



WHERE QUALITY COMES FIRST



Zilmet Inox and Ultra Inox-Pro stainless steel expansion tanks

Zilmet has over 50 years of experience in manufacturing high quality expansion tanks

- Produces over 5 million tanks and over 1 million heat exchangers annually
 - Fully vertically integrated, designing and manufacturing all diaphragms and bladders internally
- Zilmet has created a compact design with a seamless diaphragm that never stretches or creases. There are no bubbles or corners to trap sediment, inhibiting bacterial growth.*

Features

- Butyl diaphragms suitable for both hot and cold water applications
- ZS8, ZS12, and ZS18 tanks are NSF61 Certified
- All tanks are manufactured with 304 stainless steel
- All tanks come with a 5 year limited warranty

Uses Include:

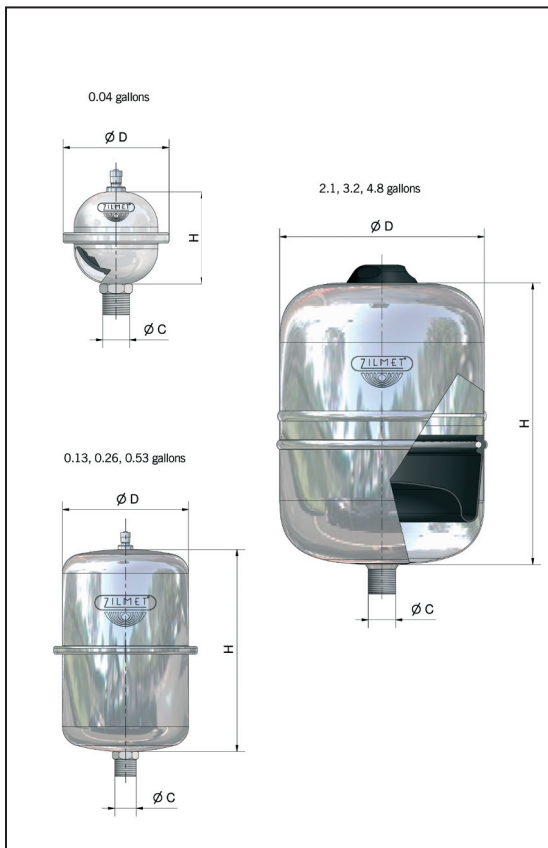
- | | |
|------------------------------------|-----------------------------|
| - High corrosive areas | - Food processing plants |
| - Rain water collection | - Breweries |
| - Water hammer arrestors | - Auto manufacturers |
| - Variable speed pump applications | - Hospitals and clean rooms |
| - Marine applications | |

■ material description

| description | material |
|-------------|--|
| shell | 304 stainless steel |
| flange | stainless steel |
| membrane | Inox Pro: butyl diaphragm |
| | Ultr Inox Pro: replaceable butyl bladder |



technical drawings



technical and dimensional data - Inox Pro

| Model | Capacity (gallons) | Ø Diameter inches | H height inches | Max. pressure (psi) | Precharge (psi) | Connection NPT |
|--------|-----------------------|----------------------|--------------------|------------------------|--------------------|-------------------|
| ZHP150 | 0.04 | 3.2 | 2.8 | 220 | 50 | 1/4" |
| ZS05 | 0.13 | 3.7 | 4.7 | 150 | 50 | 1/2" |
| ZS1 | 0.26 | 4.6 | 6.1 | 150 | 50 | 1/2" |
| ZS2 | 0.53 | 5.5 | 7.7 | 150 | 50 | 1/2" |
| ZS8* | 2.1 | 7.8 | 10.8 | 150 | 36 | 3/4" |
| ZS12* | 3.2 | 10.6 | 10.8 | 150 | 36 | 3/4" |
| ZS18* | 4.8 | 10.6 | 14.2 | 150 | 36 | 3/4" |

*these models are NSF61 certified



operating conditions

| | |
|----------------------------------|----------------|
| Max Operating Pressure ZHP160 | 220 psi |
| Max Operating Pressure ZS05-ZS18 | 150 psi |
| Operating Temperatures | 14 °F - 210 °F |

technical and dimensional data - Ultra Inox Pro

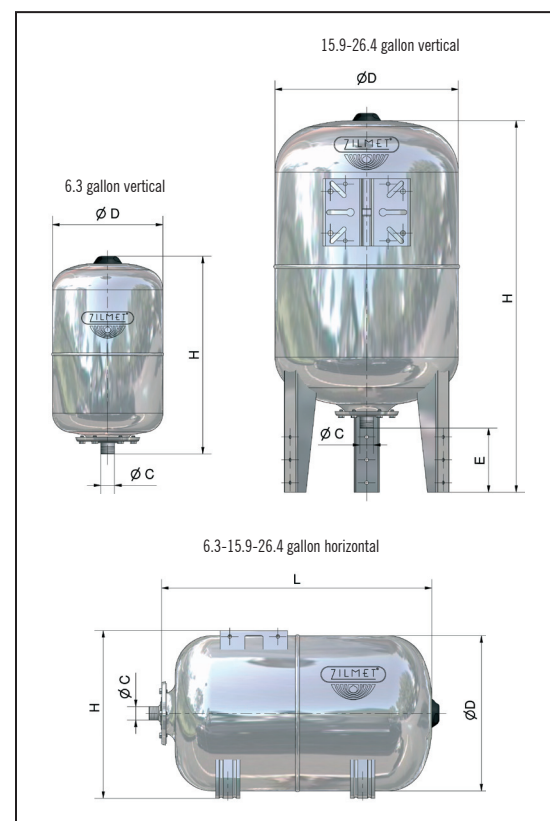
| VERTICAL MODELS | | | | | | | | |
|-----------------|---------------------|----------------------|--------------------|-------------|----------------------|------------------|--------------------|--|
| Model | Capacity gallons | Ø Diameter inches | H Height inches | E inches | Max. pressure psi | Precharge psi | Connections npt | |
| ZS24 V | 6.3 | 10.6 | 19.1 | - | 145 | 22 | 1" | |
| ZS60 V | 15.9 | 15 | 33.9 | 6.7 | 145 | 22 | 1" | |
| ZS100 V | 26.4 | 17.7 | 35.8 | 6.0 | 145 | 22 | 1" | |

| HORIZONTAL MODELS | | | | | | | | |
|-------------------|---------------------|----------------------|--------------------|-------------|----------------------|------------------|--------------------|--|
| Model | Capacity gallons | Ø Diameter inches | H Height inches | L inches | Max. pressure psi | Precharge psi | Connections npt | |
| ZS24 H | 6.3 | 10.6 | 11.4 | 19.1 | 145 | 22 | 1" | |
| ZS60 H | 15.9 | 15 | 16.1 | 25.2 | 145 | 22 | 1" | |
| ZS100 H | 26.4 | 17.7 | 18.9 | 28.7 | 145 | 22 | 1" | |

operating conditions

| | |
|---------------------------|----------------|
| Max Operating Pressure | 145 psi |
| Max Operating temperature | 14 °F - 210 °F |
| Factory precharge | 22 psi |

technical drawings



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