

Section - J

Expansion Vessels



WATTS
INDUSTRIES
Technology by nature

EXPANSION VESSELS WITH REPLACEMENT BLADDERS

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ULTRA PRO VERTICAL

Vertical expansion vessel with replaceable Butyl bladder for cold and hot potable water installations.

Carbon steel flange with blue epoxy polyester paint finish. Max. vessel temperature: 70°C. Max. system temperature: 99°C. Max. pressure of vessels 8 to 500 litre: 10 bar. Max. pressure of vessels 750 to 1000 litre: Upon application. Precharge pressure: 2 bar.

Part number	Capacity	Connection	Box Qty
ZUP8	8 litre	3/4" M	1
ZUP12	12 litre	3/4" M	1
ZUP19	19 litre	1" M	1
ZUP24	24 litre	1" M	1
ZUPV50	50 litre	1" M	1
ZUPV60	60 litre	1" M	1
ZUPV80	80 litre	1" M	1
ZUPV100	100 litre	1" M	1
ZUPV200	200 litre	1-1/2" M	1
ZUPV300	300 litre	1-1/2" M	1
ZUPV500	500 litre	1-1/2" M	1
ZUPV750	750 litre	1-1/2" M	1
ZUPV1000	1000 litre	1-1/2" M	1



ULTRA PRO HORIZONTAL

Horizontal expansion vessel as Ultra Pro Vertical above.



Part number	Capacity	Connection	Box Qty
ZUPH24	24 litre	1" M	1
ZUPH50	50 litre	1" M	1
ZUPH60	60 litre	1" M	1
ZUPH80	80 litre	1" M	1
ZUPH100	100 litre	1" M	1
ZUPH200	200 litre	1-1/2" M	1
ZUPH300	300 litre	1-1/2" M	1

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EXPANSION VESSELS WITH REPLACEMENT BLADDERS



ULTRA PRO VERTICAL WITH STAINLESS STEEL FLANGE

Vertical expansion vessel as Ultra Pro Vertical above but with Stainless Steel flange inlet connection.

Part number	Capacity	Connection	Box Qty
ZUP8SS	8 litre	3/4" M	1
ZUP12SS	12 litre	3/4" M	1
ZUP19SS	19 litre	1" M	1
ZUP24SS	24 litre	1" M	1
ZUPV50SS	50 litre	1" M	1
ZUPV60SS	60 litre	1" M	1
ZUPV80SS	80 litre	1" M	1
ZUPV100SS	100 litre	1" M	1
ZUPV200SS	200 litre	1-1/2" M	1
ZUPV300SS	300 litre	1-1/2" M	1
ZUPV500SS	500 litre	1-1/2" M	1
ZUPV750SS	750 litre	1-1/2" M	1
ZUPV1000SS	1000 litre	1-1/2" M	1



ULTRA PRO HORIZONTAL WITH STAINLESS STEEL FLANGE

Horizontal expansion vessel as Ultra Pro Vertical above but with Stainless Steel flange inlet connection.

Part number	Capacity	Connection	Box Qty
ZUPH24SS	24 litre	1" M	1
ZUPH50SS	50 litre	1" M	1
ZUPH60SS	60 litre	1" M	1
ZUPH80SS	80 litre	1" M	1
ZUPH100SS	100 litre	1" M	1
ZUPH200SS	200 litre	1-1/2" M	1
ZUPH300SS	300 litre	1-1/2" M	1



POTABLE WATER VESSELS



HYDRO PRO

Vertical expansion vessel with fixed Butyl bladder for cold and hot potable water installations. Inner coating of the vessel with epoxy powder finish to prevent corrosion and outer body with blue epoxy polyester paint finish.
 Max. vessel temperature: 70°C. Max. system temperature: 99°C.
 Max. pressure of vessel: 10 bar.
 Precharge pressure 2 to 8 litre: 3 bar.
 Precharge pressure 12 to 600 litre: 2 bar.

Part number	Capacity	Connection	Box Qty
ZHP2	2 litre	1/2" M	1
ZHP5	5 litre	3/4" M	1
ZHP8	8 litre	3/4" M	1
ZHP12	12 litre	3/4" M	1
ZHP18	18 litre	3/4" M	1
ZHP24	24 litre	1" M	1
ZHP35	35 litre	1" M	1
ZHP50	50 litre	1" M	1
ZHP80	80 litre	1" M	1
ZHP105	105 litre	1-1/4" M	1
ZHP250	250 litre	1-1/4" M	1
ZHP400	400 litre	1-1/4" M	1
ZHP600	600 litre	1-1/4" M	1



WATER PRO

Vertical expansion vessel with fixed Butyl bladder for cold and hot potable water installations. Inner coating of the vessel with epoxy powder finish to prevent corrosion and outer body with blue epoxy polyester paint finish. Stainless Steel inlet connection.
 Max. vessel temperature: 70°C. Max. system temperature: 99°C.
 Max. pressure of vessel: 10 bar.
 Precharge pressure: 3 bar.

Part number	Capacity	Connection	Box Qty
ZWP5	5 litre	3/4" M	1
ZWP8	8 litre	3/4" M	1
ZWP12	12 litre	3/4" M	1
ZWP18	18 litre	3/4" M	1
ZWP24	24 litre	1" M	1



INOX PRO

Vertical expansion vessel with fixed Butyl bladder for cold and hot potable water installations, body made from stainless steel.
 Max. vessel temperature: 70°C. Max. system temperature: 99°C.
 Max. pressure of vessel: 10 bar.
 Precharge pressure: 3.5 bar.

Part number	Capacity	Connection	Box Qty
XVES600011	2.0 litre	1/2" M	1
Z50	0.5 litre	1/2" M	1
ZIP2	2.0 litre	1/2" M	1

HEATING EXPANSION VESSELS
CAL PRO


Expansion vessel with fixed SBR rubber bladder for central heating and boiler systems. Carbon steel body with red epoxy polyester paint finish.

Max. vessel temperature: 70°C. Max. system temperature: 99°C.

Max. pressure of vessels 4 & 8 litre: 5 bar.

Max. pressure of vessels 12 to 50 litre: 4 bar.

Max. pressure of vessels 80 to 700 litre: 6 bar.

Comment: 4 & 8 litre sizes Kitemarked.



Part number	Capacity	Connection	Box Qty
ZCP4	4 litre	3/4" M	1
ZCP8	8 litre	3/4" M	1
ZCP12	12 litre	3/4" M	1
ZCP18	18 litre	3/4" M	1
ZCP24	24 litre	3/4" M	1
ZCP35	35 litre	3/4" M	1
ZCP35F (with feet)	35 litre	3/4" M	1
ZCP50	50 litre	3/4" M	1
ZCP50F (with feet)	50 litre	3/4" M	1
ZCP80	80 litre	3/4" M	1
ZCP105	105 litre	3/4" M	1
ZCP150	150 litre	3/4" M	1
ZCP200	200 litre	3/4" M	1
ZCP250	250 litre	3/4" M	1
ZCP300	300 litre	3/4" M	1
ZCP400	400 litre	3/4" M	1
ZCP500	500 litre	1" M	1
ZCP600	600 litre	1" M	1
ZCP700	700 litre	1" M	1
ZCP1000	1000 litre	1-1/2" M	1

OEM PRO


Flat expansion vessel as Cal Pro above with a diameter of 387mm.

Min. pressure of vessel: 1 bar. Max. pressure of vessel: 3 bar.

Part number	Capacity	Connection	Box Qty
ZOP7	7 litre	3/4" M	1
ZOP8	8 litre	3/4" M	1
ZOP10	10 litre	3/4" M	1
ZOP12	12 litre	3/4" M	1
ZOP14	14 litre	3/4" M	1
ZOP18	18 litre	3/4" M	1

SEALED SYSTEM KIT

**SEALED SYSTEM KIT**

For installation in central heating and boiler systems.
Each kit includes a Cal Pro expansion vessel, pressure relief valve with gauge, manifold, mounting bracket and combined filling loop, isolator and double check valve.

Part number	Capacity	Box Qty
SSC5	5 litre	1
SSC8	8 litre	1
SSC12	12 litre	1
SSC18	18 litre	1
SSC24	24 litre	1

ACCESSORIES AND SPARES

**MOUNTING KIT**

Includes bracket and screws.

Part number	Description	Box Qty
ZKIT1	Mounting kit for Cal Pro vessels	1

**MOUNTING KIT**

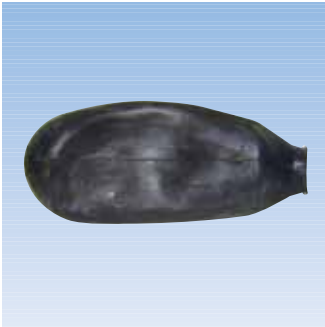
Includes bracket, nuts and screws.

Part number	Description	Box Qty
BRKT1	Mounting kit for Cal Pro vessels 4 to 25 litre	1
BRKT2	Mounting kit for Cal Pro vessels 35 & 50 litre	1

**MOUNTING KIT**

Wrap round bracket comprising strap, wall bracket and fixing screws.

Part number	Description	Box Qty
ER24KIT	Mounting kit for Cal Pro vessels	1



SPARE BLADDERS

Spare bladders for Ultra Pro vessels available in a range of eight sizes from 24 to 750 litre capacity.

Part number	Description	Box Qty
ZSM24	Spare bladder 24 litre	1
ZSM50	Spare bladder 50 litre	1
ZSM60	Spare bladder 60 litre	1
ZSM100	Spare bladder 100 litre	1
ZSM200	Spare bladder 200 litre	1
ZSM300	Spare bladder 300 litre	1
ZSM500	Spare bladder 500 litre	1
ZSM750	Spare bladder 750 litre	1



MANIFOLD CROSS

Plain brass manifold cross with 15mm compression inlet, 3/4" BSP Female vessel connection, 1/2" BSP Male relief valve connection, plain end for connection to double check valve with 15mm compression ends.

Part number	Description	Box Qty
CORE641002	Four way manifold cross	1



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