



# Duraflex Forté

Expansion Tanks

For heating, cooling and solar applications



**Automatic Heating**  
efficiency □ performance □ solutions



## Duraflex Forté Expansion Tanks

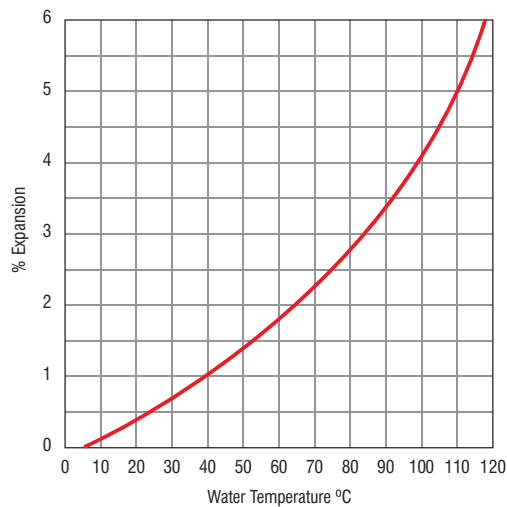
*The Duraflex Forté Series are designed for heating and chilled water closed circuit applications*



- Threaded connections
- **Non-replaceable diaphragm**
- Maximum operating temperature 70°C
- Available in red or white durable powder coat finish
- Pre-set pressure 150kPa (Nitrogen)
- Wall mount bracket available (8-25 litres)
- Safety valves fitted (SV) 3 bar
- Expansion capacity calculated on 100-300kPa



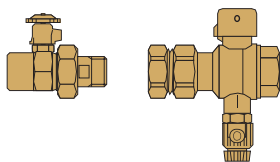
*For sizing calculations  
please phone 1800 337 959*



### Coefficient of water expansion at different temperatures

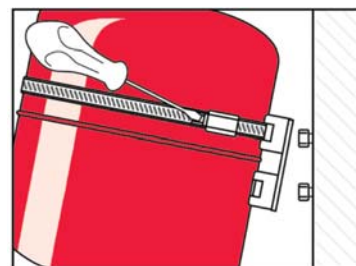
°C	coefficient	°C	coefficient
0	0.00013	65	0.01980
10	0.00025	70	0.02269
20	0.00174	75	0.02580
30	0.00426	80	0.02899
40	0.00782	85	0.03240
50	0.01207	90	0.03590
55	0.01450	95	0.03960
60	0.01704	100	0.04343

### ACCESSORIES



SUR 3/4x3/4 Protected shut off at removal through return ball  
 SUR 1x1 Protected shut off with cap

- protected shut-off device for inspection and removal of expansion vessels
- including discharge



DWB825 Wall hung holder with tension bar for vertical mounting – 8-25 litres



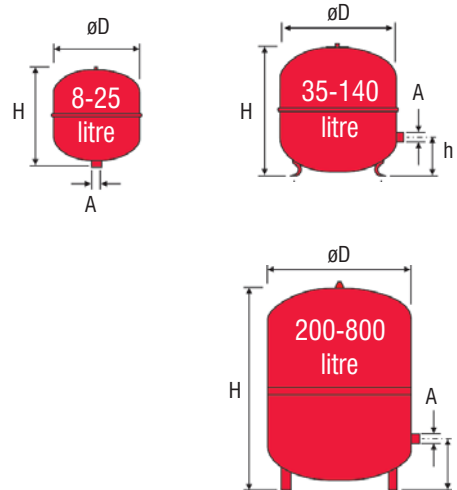
## Performance Data

Model	Capacity litres	Expansion Capacity litres	Pressure Maximum kPa	Pressure Pre-set kPa	Weight kg
DW8/3SV	8	4	300	150	1.9
DW12/3SV	12	6	300	150	2.6
DW18/3SV	18	9	300	150	3.5
DW25/3SV	25	12	300	150	4.6
DW35/3SV	35	17	300	150	5.4
DW50/3SV	50	25	600	150	12.5
DW80/3SV	80	40	600	150	17.0
DR100/3SV	100	50	600	150	20.5
DR140/3SV	140	70	600	150	28.6
DR200/3SV	200	100	600	150	36.7
DR250/3SV	250	125	600	150	45.0
DR300/3SV	300	150	600	150	52.0
DR400/3SV	400	200	600	150	65.0
DR500/3SV	500	250	600	150	79.0
DR600/3SV	600	300	600	150	85.0
DR800/3SV	800	400	600	150	103.0

\* Higher pressure tanks available

## Dimensional Data

Model	øD mm	H mm	h mm	A BSP
DW8/3SV	272	233	–	3/4
DW12/3SV	272	315	–	3/4
DW18/3SV	308	360	–	3/4
DW25/3SV	308	480	–	3/4
DW35/3SV	376	465	130	3/4
DW50/3SV	441	495	175	3/4
DW80/3SV	512	570	175	1
DR100/3SV	512	680	175	1
DR140/3SV	512	890	175	1
DR200/3SV	634	785	235	1
DR250/3SV	634	945	235	1
DR300/3SV	634	1085	235	1
DR400/3SV	740	1075	245	1
DR500/3SV	740	1295	245	1
DR600/3SV	740	1530	245	1
DR800/3SV	740	1990	245	1



Automatic Heating reserves the right to change specifications without notice.



## More in the Duraflex range

### Duraflex Calibre

#### Duraflex Calibre series:

- ▶ Expansion control of potable water applications
- ▶ Butyl diaphragm



### Duraflex Cobalt

#### Duraflex Cobalt series:

- ▶ For potable water, water heating and hydro-pneumatic well applications
- ▶ Replaceable diaphragm



### Duraflex OEM

#### Duraflex OEM series:

- ▶ flat vessels for wall hung boiler applications



### Autoheet refill unit

- ▶ Automatic water make-up
- ▶ Backflow prevention according to AS3500 National Plumbing and Drainage Code
- ▶ 100 kPa – 500 kPa
- ▶ Including break tank, pump and pressure switch



### Duraflex Air and Dirt Separation

#### Duraflex 'Exair'

- ▶ Automatic air removal



#### Duraflex 'Exdirt'

- ▶ Dirt and Sludge Separation



#### Duraflex 'Extwin'

- ▶ Combined microbubble and sludge separation



### Duraflex Variomat

Pump-controlled 'variomat' opens a total new dimension to pressure maintenance.

#### Duraflex 'Variomat':

- ▶ Pressure control within the narrowest limits
- ▶ Central deaeration of system water content
- ▶ Automatic water make-up



### Duraflex Gigamat

The duraflex 'gigamat' pressure-maintaining program is tailored to the specific requirements of industrial and district heating.



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