

barnova

INNOVATIVE PRESSURE COMPETENCE

TECHNOFLEX

HN/HT/SO/TS

- ✓ Heating systems
- ✓ Cooling water systems
- ✓ Solar systems



Membrane expansion tank

Temperature reduction tank

TECHNOFLEX HN

Expansion tanks with non replaceable membrane

Applications:

- Water heating systems to DIN EN 12828
- Cooling water systems with up to 50 % antifreeze

HT 8 – 25:

- Tanks are connected directly to the pipeline

HT 35 – 1.000:

- Free-standing tanks with a pressure gauge from 100 litres

Construction:

- in accordance with EU Pressure Equipment Directive 2014/68/EU with a CE mark and DIN EN 13831/AD2009

max. operating pressure:

- 6.0 bar

max. membrane operating temperature:

- 70°C

factory-set initial pressure:

- 3.5 bar

When placing your order, please specify the exact initial pressure required.

6.0 bar / 100°C / colour: blue

Product group 99

Type (size)	Ø (mm)	Height (mm)	Weight (kg)	System connection	Order no.
8	215	350	2.0	¾"	419901
12	215	400	2.2	¾"	419902
18	260	400	3.1	1"	419903
25	250	430	3.5	1"	419904
35	350	610	5.5	1"	419905
50	370	695	7.4	1"	419906
80	460	840	14.7	1"	419907
100	460	920	14.9	1"	419908
150	508	1100	23.0	1"	419909
200	585	1120	28.0	1"	419910
300	640	1260	39.5	1 ¼"	419911
400	640	1360	54.0	1 ¼"	419912
500	750	1520	64.0	1 ¼"	419913
600	750	1700	72.5	1 ¼"	419914
800	800	1820	114.0	1 ¼"	419915
1,000	800	2120	139.8	2"	419916

We reserve the right to make technical changes and special tanks are available on request.



TECHNOFLEX HT

Expansion tanks with a replaceable membrane

Applications:

- Water heating systems to DIN EN 12828
- Cooling water systems with up to 50 % antifreeze

HT PLUS 50 – 5,000:

- Free-standing tanks with a pressure gauge from 100 litres

Construction:

- in accordance with EU Pressure Equipment Directive 2014/68/EU with a CE mark and DIN EN 13831/AD2000

max. operating pressure:

- 6.0 bar

max. membrane operating temperature:

- 70°C

factory-set initial pressure:

- 3.5 bar

When placing your order, please specify the exact initial pressure required.

6.0 bar / 100°C / colour: blue

Product group 98

Type (size)	Ø (mm)	Height (mm)	Weight (kg)	System connection	Order no.
50	370	695	7.4	1"	429806
80	460	840	14.7	1"	429807
100	460	920	14.9	1"	429808
150	508	1100	23.0	1"	429809
200	585	1120	28.0	1"	429810
300	640	1260	39.5	1 ¼"	429811
400	640	1360	54.0	1 ¼"	429812
500	750	1520	64.0	1 ¼"	429813
600	750	1700	72.5	1 ¼"	429814
800	800	1820	114.0	1 ¼"	429815
1,000	800	2120	139.8	2"	429816
1,500	960	2350	267.0	2"	429817
2,000	1100	2520	380.0	4"	429818
2,500	1100	2750	450.0	4"	429819
3,000	1200	2800	525.0	4"	429820
4,000	1450	3100	660.0	4"	429821
5,000	1450	3720	770.0	4"	429822

We reserve the right to make technical changes and special tanks are available on request.



TECHNOFLEX HT

Expansion tanks with a replaceable membrane

Applications:

- Water heating systems to DIN EN 12828
- Cooling water systems with up to 35 % antifreeze

HT PLUS 50 – 5,000:

- Free-standing tanks with a pressure gauge from 100 litres

Construction:

- in accordance with EU Pressure Equipment Directive 2014/68/EU with a CE mark and DIN EN 13831/AD2000

max. operating pressure:

- 10.0 bar (16.0 bar on request)

max. membrane operating temperature:

- 70°C

factory-set initial pressure:

- 3.5 bar

When placing your order, please specify the exact initial pressure required.

10.0 bar / 100°C / colour: blue

Product group 98

Type (size)	Ø (mm)	Height (mm)	Weight (kg)	System connection	Order no.
50	370	695	7,9	1"	439806
80	460	840	15,8	1"	439807
100	460	920	17,2	1"	439808
150	508	1100	28,0	1"	439809
200	585	1120	35,0	1"	439810
300	640	1260	48,0	1 ¼"	439811
400	640	1360	63,5	1 ¼"	439812
500	750	1520	76,0	1 ¼"	439813
600	750	1700	84,5	1 ¼"	439814
800	800	1820	130,0	1 ¼"	439815
1,000	800	2120	160,0	2"	439816
1,500	960	2350	295,0	2"	439817
2,000	1100	2520	429,0	4"	439818
2,500	1100	2750	490,0	4"	439819
3,000	1200	2800	575,0	4"	439820
4,000	1450	3100	730,0	4"	439821
5,000	1450	3720	830,0	4"	439822

We reserve the right to make technical changes and special tanks are available on request.



TECHNOFLEX SO

Expansion tanks for solar thermal systems with a replaceable membrane

Applications:

- Heating, cooling and solar thermal systems to DIN EN 12828 and DIN EN 12976 with up to 50 % antifreeze

SO 2 – 25:

- Tanks are connected directly to the pipeline

SO 35 – 5,000:

- Free-standing tanks with a pressure gauge from 100 litres

Construction:

- in accordance with EU Pressure Equipment Directive 2014/68/EU with a CE mark and DIN EN 13831/AD2000

max. operating pressure:

- 10.0 bar (16.0 bar on request)

max. membrane operating temperature:

- 70°C – for a short time, up to 90°C is possible

factory-set initial pressure:

- 3.5 bar

When placing your order, please specify the exact initial pressure required.

10.0 bar / 100°C / colour: blue

Product group 97

Type (size)	Ø (mm)	Height (mm)	Weight (kg)	System connection	Order no.
2	162	205	1.4	3/4"	449700
8	215	350	2.0	3/4"	449701
12	215	400	2.2	3/4"	449702
18	260	400	3.1	1"	449703
25	250	430	3.5	1"	449704
35	350	610	5.5	1"	449705
50	370	695	7,9	1"	449706
80	460	840	15,8	1"	449707
100	460	920	17,2	1"	449708
150	508	1100	28,0	1"	449709
200	585	1120	35,0	1"	449710
300	640	1260	48,0	1 1/4"	449711
400	640	1360	63,5	1 1/4"	449712
500	750	1520	76,0	1 1/4"	449713
600	750	1700	84,5	1 1/4"	449714
800	800	1820	130,0	1 1/4"	449715
1,000	800	2120	160,0	2"	449716

We reserve the right to make technical changes and special tanks are available on request.



TECHNOFLEX TS

Temperature reduction tank

To reduce the temperature of the feed to **Barnova** membrane expansion tanks and **Barnova** pressure holding stations

Applications:

- Water heating systems to DIN EN 12828 and for cooling water systems

TS 5 – 25:

- vessels for hanging attachment to the pipeline

TS 50 – 5.000:

- Free-standing tanks

Construction:

- in accordance with EU Pressure Equipment Directive 2014/68/EU with a CE mark and DIN EN 13831/AD2000

max. operating pressure:

- 6.0 bar / 10.0 bar

max. membrane operating temperature:

- $\leq 120\text{ }^{\circ}\text{C}$

6.0 bar / 120°C / colour: white

Product group 96

Type (size)	Ø (mm)	Height (mm)	Weight (kg)	System connection (2x DN)	Order no.
50	360	750	12,0	1"	459806
100	450	850	18,0	1"	459808
200	550	1.135	39,0	1 ½"	459810
300	650	1.180	52,0	1 ½"	459811
400	650	1.596	65,0	1 ½"	459812
500	650	2.013	90,0	1 ½"	459813
700	700	2.145	158,0	1 ½"	459815
1.000	800	2.375	275,0	2"	459816
1.500	1.250	2.250	310,0	65	459817
2.000	1.250	2.608	395,0	65	459818
3.000	1.600	2.505	490,0	80	459820
4.000	1.600	3.012	590,0	80	459821
5.000	1.600	3.520	690,0	80	459822

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TECHNOFLEX TS

10.0 bar / 120°C / colour: white

Product group 96

Type (size)	Ø (mm)	Height (mm)	Weight (kg)	System connection (2x DN)	Order no.
5	200	250	2,0	¾"	459600
8	200	340	2,5	¾"	459601
12	270	310	3,2	¾"	459602
18	270	415	4,0	¾"	459603
25	320	430	4,5	¾"	459604
35	360	615	7,0	1"	459605
50	360	750	14,0	1"	459606
100	450	850	21,0	1"	459608
200	550	1.135	45,0	1 ½"	459610
300	650	1.180	60,0	1 ½"	459611
400	650	1.569	80,0	1 ½"	459612
500	650	2.013	115,0	1 ½"	459613
700	700	2.145	175,0	1 ½"	459614
1.000	800	2.375	330,0	2"	459616
1.500	1.250	2.250	360,0	65	459617
2.000	1.250	2.608	445,0	65	459618
3.000	1.600	2.505	540,0	80	459620
4.000	1.600	3.012	640,0	80	459621
5.000	1.600	3.520	740,0	80	459622

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