

Expansion vessels



Key advantages

High-quality expansion vessels

- For closed heating and cooling water systems as well as solar applications and process water
- Long-lasting, wear-resistant membrane reliably maintains the pressure
- Approved in accordance with pressure equipment guidelines 2014/68/EU

Wide range of designs

- Extremely broad pressure ranges and vessel volumes
- Extremely wide range of forms, types and comprehensive range of accessories
- With diaphragm or bladder
- Many years of experience with special, customer-specific solutions

Rapid design and installation

- Intuitive design configuration software for rapid selection and calculation
- Rapid installation

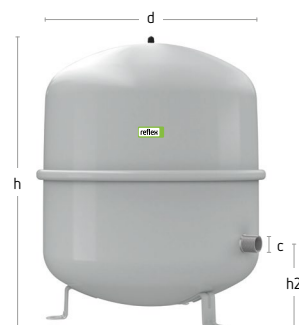


Reflex product portfolio

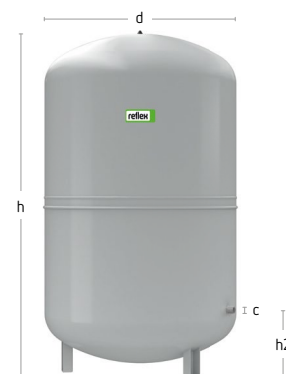
Reflex N



N 8 – 251



N 35 – 1401



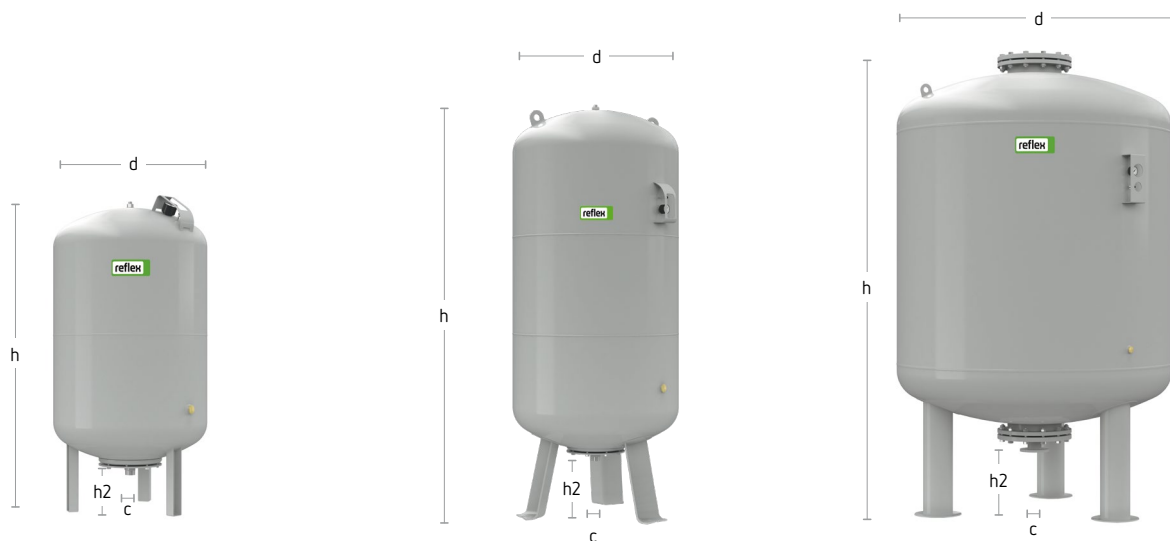
N 200 – 1,0001

Technical Features

- For closed heating and cooling systems
- With threaded connections
- 35 litres and above upright, size N 80 and below wall mounting
- Non-replaceable diaphragm according to DIN EN 13831
- Max. operating temperature 70 °C
- For antifreeze additive of at least 25–50 %
- Approval according to Pressure Equipment Directive 2014/68/EU
- Durable epoxy resin coating
- With factory-pressurised gas chamber
- Max. permissible system temperature 120 °C

	Type	Art. No.		DG	PQ [pce]	Inlet pressure [bar]	Connection c	Ø d [mm]	Height h [mm]	Height h2 [mm]	Weight [kg]
		grey	white								
4 bar 70 °C	N 8	8202501	7202801	0012	84	1.5	R ¾"	272	236	–	2.35
	N 12	8203301	7203501	0012	60	1.5	R ¾"	272	317	–	2.75
	N 18	8204301	7204401	0012	60	1.5	R ¾"	308	360	–	3.60
	N 25	8206301	7206401	0012	48	1.5	R ¾"	308	477	–	4.35
	N 35	8208401	7208501	0012	24	1.5	R ¾"	376	466	130	5.60
6 bar 70 °C	N 50	8209300	7209400	0013	24	1.5	R ¾"	441	487	175	9.60
	N 80	8210200	7210600	0013	12	1.5	R 1"	512	558	172	13.28
	N 100	8216300	–	0013	10	1.5	R 1"	512	669	172	15.84
	N 140	8211400	–	0013	6	1.5	R 1"	512	890	172	19.90
	N 200	8213300	–	0018	4	1.5	R 1"	634	758	205	23.80
	N 250	8214300	–	0018	4	1.5	R 1"	634	888	205	24.70
	N 300	8215300	–	0018	1	1.5	R 1"	634	1,092	235	30.00
	N 400	8218000	–	0018	1	1.5	R 1"	740	1,102	245	47.00
	N 500	8218300	–	0018	1	1.5	R 1"	740	1,321	245	52.00
	N 600	8218400	–	0018	1	1.5	R 1"	740	1,531	245	66.00
	N 800	8218500	–	0018	1	1.5	R 1"	740	1,996	245	96.00
	N 1000	8218600	–	0018	1	1.5	R 1"	740	2,413	245	118.00

Reflex G



G 100–500 l

G 600–1,000 l

G 1,000–5,000 l

Technical Features

- For closed heating and cooling systems
- Upright configuration
- Connections:
 - up to 1,000 l / Ø 740 mm with threaded connections
 - From 1,000 l / Ø 1,000 mm with flange connections DN65/PN6 or DN65/PN16
- Replaceable bladder according to DIN EN 13831
- Max. operating temperature 70 °C
- For antifreeze additive of at least 25–50 %
- Approval according to Pressure Equipment Directive 2014/68/EU
- The following types are equipped with a diaphragm break detector coupling:
 - 6 bar: ≥ 1,000 l / Ø 1,000 mm
 - 10 bar: ≥ 600 l
 - 16 bar
- With inspection opening (from 1,000 litres with Ø 1,000 mm)
- Pressure gauge and supply pressure valve protected by clip
- Durable epoxy resin coating
- With factory-pressurised gas chamber
- Max. permissible system temperature 120 °C

	Type	Art. No. grey	DG	PQ [pce]	Inlet pressure [bar]	Connection c	Ø d [mm]	Height h [mm]	Height h2 [mm]	Weight [kg]
6 bar 70 °C	G 100	8519000	0021	4	3.5	G1"	480	850	145	19.20
	G 200	8519100	0021	1	3.5	G 1 ¼"	634	967	144	36.50
	G 300	8519200	0021	1	3.5	G 1 ¼"	634	1,267	144	41.60
	G 400	8521605	0021	1	3.5	G1"	740	1,276	146	43.00
	G 500	8521705	0021	1	3.5	G1"	740	1,494	146	51.00
	G 600	8522605	0021	1	3.5	G1"	740	1,739	146	66.00
	G 800	8523610	0021	1	3.5	G1"	740	2,186	149	94.00
	G 1000/740	8546605	0021	1	3.5	G1"	740	2,593	146	150.00
	G 1000/1000	8524605	0022	1	3.5	DN65/PN6	1,000	1,973	307	228.00
	G 1500	8526605	0022	1	3.5	DN65/PN6	1,200	1,971	305	280.00
	G 2000	8527605	0022	1	3.5	DN65/PN6	1,200	2,451	291	300.00
	G 3000	8544605	0022	1	3.5	DN65/PN6	1,500	2,490	334	620.00
	G 4000	8529605	0022	1	3.5	DN65/PN6	1,500	3,065	334	770.00
G 5000	8530605	0022	1	3.5	DN65/PN6	1,500	3,598	334	849.00	
10 bar 70 °C	G 100	8518000	0021	4	3.5	G1"	480	850	146	19.20
	G 200	8518100	0021	1	3.5	G 1 ¼"	634	966	144	33.40
	G 300	8518200	0021	1	3.5	G 1 ¼"	634	1,267	144	34.60
	G 400	8521005	0021	1	3.5	G 1 ¼"	740	1,275	133	52.00
	G 500	8521006	0021	1	3.5	G 1 ¼"	740	1,494	133	60.00
	G 600	8522006	0021	1	3.5	G 1 ½"	740	1,859	263	118.00
	G 800	8523005	0021	1	3.5	G 1 ½"	740	2,324	263	166.00
	G 1000/740	8546005	0021	1	3.5	G 1 ½"	740	2,804	263	190.00
	G 1000/1000	8524005	0022	1	3.5	DN65/PN16	1,000	2,001	286	335.00
	G 1500	8526005	0022	1	3.5	DN65/PN16	1,200	1,991	291	390.00
	G 2000	8527005	0022	1	3.5	DN65/PN16	1,200	2,451	291	485.00
	G 3000	8544005	0022	1	3.5	DN65/PN16	1,500	2,542	320	830.00
	G 4000	8529005	0022	1	3.5	DN65/PN16	1,500	3,117	320	1,120.00
G 5000	8530005	0022	1	3.5	DN65/PN16	1,500	3,652	320	1,274.00	
16 bar 70 °C	G 100	8518400	0021	1	3.5	DN25/PN16	480	992	231	25.00
	G 200	8518500	0021	1	3.5	DN25/PN16	634	1,088	221	57.00
	G 300	8518600	0021	1	3.5	DN25/PN16	634	1,392	221	66.00
	G 400	8510206	0021	1	3.5	DN40/PN16	740	1,373	198	118.00
	G 500	8518700	0021	1	3.5	DN40/PN16	740	1,618	197	130.00
	G 600	8522007	0021	1	3.5	DN40/PN16	740	1,871	198	158.00
	G 800	8523906	0021	1	3.5	DN40/PN16	740	2,336	198	221.00
	G 1000/740	8546906	0021	1	3.5	DN40/PN16	740	2,804	201	260.00
	G 1000/1000	8524205	0022	1	3.5	DN65/PN16	1,000	2,031	276	468.00
	G 1500	8526305	0022	1	3.5	DN65/PN16	1,200	2,021	281	650.00
	G 2000	8527100	0022	1	3.5	DN65/PN16	1,200	2,481	281	731.00
	G 3000	8544705	0022	1	3.5	DN65/PN16	1,500	2,550	310	960.00
	G 4000	8529405	0022	1	3.5	DN65/PN16	1,500	3,110	310	890.00
G 5000	8529705	0022	1	3.5	DN65/PN16	1,500	3,645	310	1,020.00	