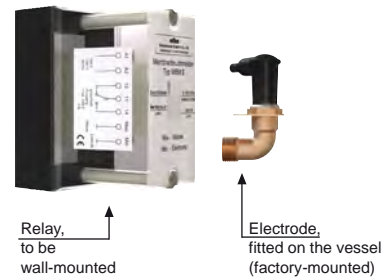


reflex 'MBM II Diaphragm rupture detector'

- ▶ for the signalling of diaphragm rupture in 'reflex G'
- ▶ consists of an electrode and electrode relay (factory-mounted)
- ▶ operates 230 V / 50 Hz supply
- ▶ three terminal dry contact
- ▶ recommended: 1 device for each vessel

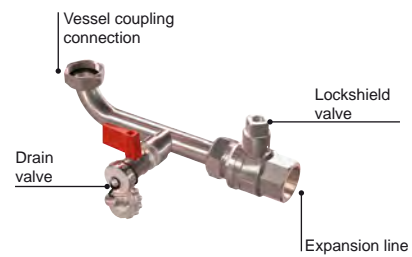
Type	Article-No.	Product group
MBM II	7857700	86



reflex 'AG Connection set'

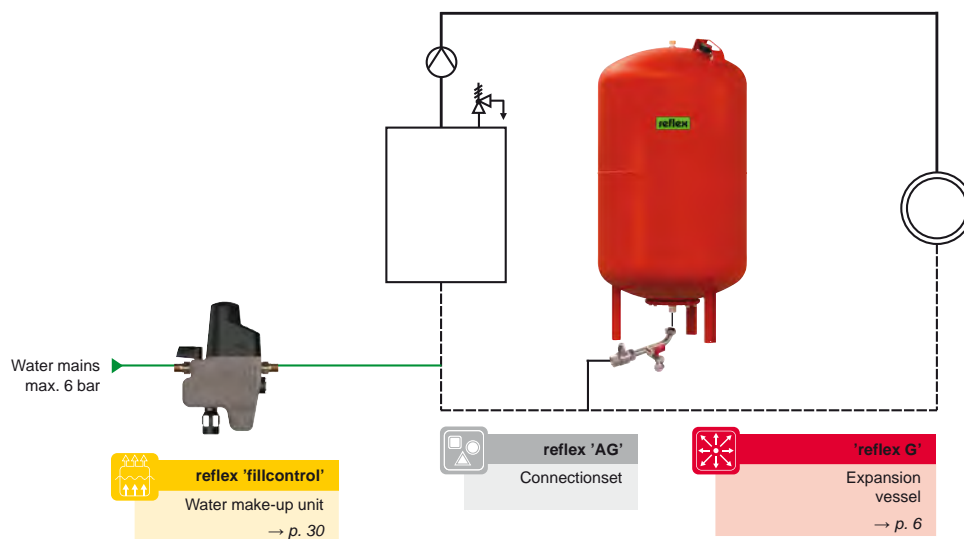
- ▶ for quick installation and easy inspection of vessel
- ▶ including lockshield valve
- ▶ G ½ drain valve with loose connection
- ▶ according to DIN EN 12828
- ▶ PN 16 / 120 °C

Type	Article-No.	Product group
1	9119204	80
1¼	9119205	80
1½	9119206	80



Installation example

'reflex G' with reflex 'fillcontrol' - Pressurization and Water make-up



Reflex – Responsibility in the interests of the environment

New Reflex technologies are to provide advantages not only to human beings, but also to the environment. This is the principle on which we base all our development, planning, and manufacturing.

We comply with our responsibility as manufacturer by the purposeful selection of materials and production technologies - the environmental - impacts are as low as possible.



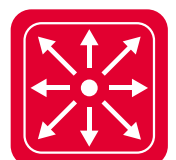
Reflex Winkelmann GmbH + Co. KG

Gersteinstrasse 19
59227 Ahlen
Germany

Phone +49 2382 70 69 - 0
Fax +49 2382 70 69 - 558
www.reflex.de

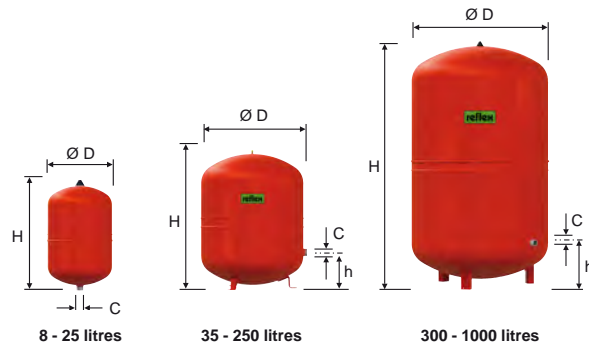


'reflex'
Expansion vessels
for heating, cooling and solar applications



'reflex NG and N'

- ▶ for heating and chilled water applications
- ▶ threaded connections
- ▶ non-replaceable diaphragm, according to DIN 4807 norm part 3, max. operating temperature 70 °C
- ▶ meets or exceeds EC norms for pressure vessels 97/23/CE
- ▶ colour: red or white, durable powder coating finish
- ▶ preset pressure 1.5 bar (Nitrogen)



Type	Article-No.		Weight	Code	Qpp*	Ø D	H	h	C
6 bar / 120 °C	red	white	kg			mm	mm	mm	
NG 8	7230100	7230107	1.7	10	96	206	285	---	R ¾
NG 12	7240100	7240107	2.3	10	72	280	275	---	R ¾
NG 18	7250100	7250107	2.8	10	56	280	345	---	R ¾
NG 25	7260100	7260107	3.5	10	42	280	465	---	R ¾
NG 35	7270100	7270107	5.7	10	24	354	460	130	R ¾
NG 50	7001000	7001100	7.5	11	24	409	493	175	R ¾
NG 80	7001200	7001300	9.9	11	12	480	565	175	R 1
NG 100	7001400	7001500	11.2	11	10	480	670	175	R 1
NG 140	7001600	7001700	14.5	11	8	480	912	175	R 1

6 bar / 120 °C									
Type	Article-No.	Weight	Code	Qpp*	Ø D	H	h	C	
N 200	7213300	303,-	18	4	634	760	205	---	R 1
N 250	7214300	434,-	18	---	634	890	205	---	R 1
N 300	7215300	508,-	18	---	634	1060	235	---	R 1
N 400	7218000	625,-	18	---	740	1070	245	---	R 1
N 500	7218300	834,-	18	---	740	1290	245	---	R 1
N 600	7218400	1.269,-	18	---	740	1530	245	---	R 1
N 800	7218500	1.575,-	18	---	740	1995	245	---	R 1
N 1000	7218600	2.014,-	18	---	740	2410	245	---	R 1

↑ V_n Nominal volume [Litres]

reflex 'Wall hung holder' for vessels 8 - 25 litres

- ▶ bracket with tightening strap for vertical mounting

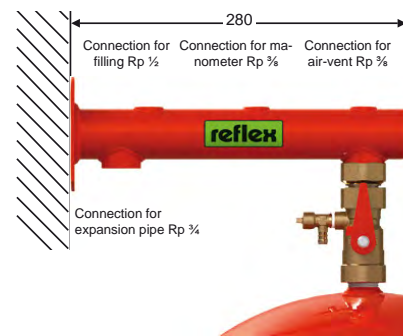
	Article-No.	Product group	Qpc**
8 - 25 l	7611000	75	36



* = Quantity per pallet
** = Quantity per carton

- ▶ holder with multiple connections

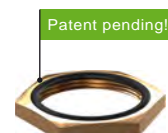
	Article-No.	Product group
8 - 25 l	7612000	75



reflex 'AM Connection nut' for vessels 8 - 25 litres

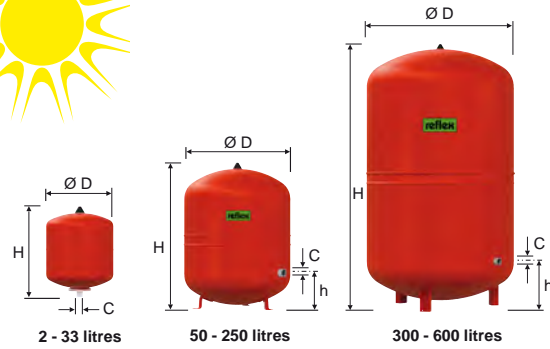
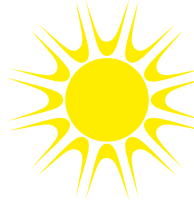
- ▶ incl. O-ring

	Article-No.	Product group	Qpc**
8 - 25 l	9119400	84	10



'reflex S'

- ▶ for solar, heating and chilled water applications
- ▶ suitable for anti-frost mixture up to 50%
- ▶ threaded connections
- ▶ non-replaceable diaphragm, according to DIN 4807 norm part 3, max. operating temperature 70 °C
- ▶ 33 litres with wall-hung clip
- ▶ meets or exceeds EC norms for pressure vessels 97/23/CE
- ▶ colour: red or white, durable powder coating finish



Type	Article-No. red	Article-No. white	Weight kg	Product group	Qpp*	Ø D mm	H mm	h mm	C	Pre-set pressure bar
S 2	9707700	---	1.1	14	280	132	260	---	G 3/4	0.5
S 8	9703900	9702600	2.5	14	96	206	325	---	G 3/4	1.5
S 12	9704000	9702700	3.5	14	72	280	300	---	G 3/4	
S 18	9704100	9702800	4.5	14	56	280	380	---	G 3/4	
S 25	9704200	9702900	5.5	14	42	280	500	---	G 3/4	3.0
S 33	9706200	9706300	6.3	14	24	354	450	---	G 3/4	
S 50	7209500	---	13.2	19	20	409	469	168	R 3/4	
S 80	7210300	---	18.4	19	12	480	538	166	R 1	
S 100	7210500	---	22.7	19	10	480	644	166	R 1	
S 140	7211500	---	29.0	19	---	480	886	166	R 1	
S 200	7213400	---	40.0	19	---	634	760	205	R 1	
S 250	7214400	---	48.0	19	---	634	890	205	R 1	
S 300	7215400	---	54.0	19	---	634	1060	235	R 1	
S 400	7219000	---	78.0	19	---	740	1070	245	R 1	
S 500	7219100	---	80.0	19	---	740	1290	245	R 1	
S 600	7219200	---	103.0	19	---	740	1530	245	R 1	

↑ V_n Nominal volume [Litres]

* = Quantity per pallet

reflex 'SU Lockshield valve'

- ▶ shut-off device for inspection and removal of expansion vessels
- ▶ including drain valve
- ▶ according to DIN EN 12828
- ▶ PN 10 / 120 °C

Type	Article-No.	Product group
SU R 3/4 x 3/4	7613000	84
SU R 1 x 1	7613100	84

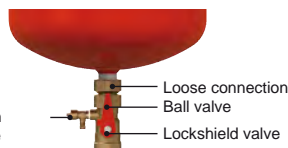
reflex 'Digital pressure gauge'

- ▶ display range up to approximately 9 bar
- ▶ pressure indication in bar, kPa, psi

Article-No.	Product group
9119198	86

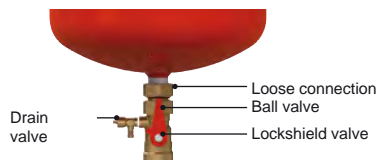


'SU' R 3/4 x 3/4



Drain
valve

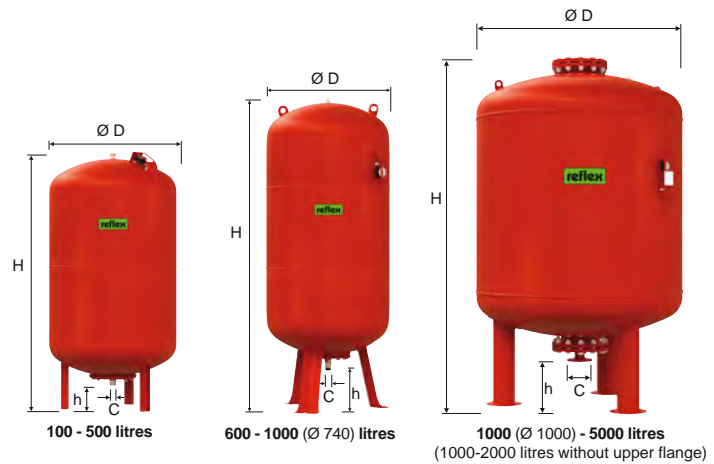
'SU' R 1 x 1



Drain
valve

'reflex G'

- ▶ for heating and chilled water applications
- ▶ **replaceable** bladder, according to DIN 4807 norm part 3, max. operating temperature 70 °C
- ▶ meets or exceeds EC norms for pressure vessels 97/23/EC
- ▶ inspection opening
- ▶ factory-mounted pressure gauge
- ▶ colour: red, durable powder coating finish
- ▶ preset pressure 3.5 bar (Nitrogen)



Type	Article-No.	Weight kg	Product group	Ø D mm	H mm	h mm	C
6 bar / 120 °C							
G 400	7521605	51.0	21	740	1253	146	G 1
G 500	7521705	59.0	21	740	1473	146	G 1
G 600	7522605	74.0	21	740	1718	146	G 1
G 800	7523610	102.0	21	740	2183	146	G 1
G 1000 ø 740	7546605	158.0	21	740	2593	146	G 1
G 1000 ø 1000	7524605	248.0	22	1000	1975	305	DN 65/PN 6
G 1500	7526605	297.0	22	1200	1975	305	DN 65/PN 6
G 2000	7527605	370.0	22	1200	2430	305	DN 65/PN 6
G 3000	7544605	640.0	22	1500	2480	335	DN 65/PN 6
G 4000	7529605	828.0	22	1500	3055	335	DN 65/PN 6
G 5000	7530605	905.0	22	1500	3590	335	DN 65/PN 6
10 bar / 120 °C							
G 100	7518000	16.5	21	480	856	152	G 1
G 200	7518100	36.5	21	634	972	144	G 1¼
G 300	7518200	41.6	21	634	1267	144	G 1¼
G 400	7521005	59.0	21	740	1245	133	G 1¼
G 500	7521006	65.1	21	740	1475	133	G 1¼
G 600	7522006	128.0	21	740	1859	263	G 1½
G 800	7523005	176.0	21	740	2324	263	G 1½
G 1000 ø 740	7546005	214.0	21	740	2604	263	G 1½
G 1000 ø 1000	7524005	355.0	22	1000	2000	290	DN 65/PN 16
G 1500	7526005	410.0	22	1200	2000	290	DN 65/PN 16
G 2000	7527005	505.0	22	1200	2450	290	DN 65/PN 16
G 3000	7544005	870.0	22	1500	2580	320	DN 65/PN 16
G 4000	7529005	1120.0	22	1500	3070	320	DN 65/PN 16
G 5000	7530005	1330.0	22	1500	3610	320	DN 65/PN 16

↑ V_n Nominal volume [Litres]

'reflex G' - Options upon request

- ▶ vessels > 5000 litres
- ▶ vessel operating pressure > 10 bar
- ▶ flanged connections: DN 150 as an option for G 1000 - 5000 ø 1000
- ▶ **butyl** bladder according to German DIN norm

German TÜV factory test certification

- ▶ 'reflex G' 100 - 5000 litres

Article-No.	Product group
7945610	95

