

Statico



Expansion vessels with fixed air cushion

from 8 L to 5000 L

*Engineering
GREAT Solutions*

Statico

Statico is the product name for pressure expansion vessels with fixed gas charge for heating, solar and cooling water systems. It's brilliantly simple design, robust construction and operation without auxiliary power make it one of the most used pressure maintenance devices in the lower performance range.



Key features

- > **Airproof butyl bag according to EN 13831**
- > **Brilliantly simple, robust design**
Operates without auxiliary power.
- > **Vide range of vessel sizes available for different system needs**
from 8 L to 5000 L
- > **Excellent elasticity**
due to fixed gas cushion.

Technical description

Applications:

Heating, solar and chilled water systems.

Media:

Non-aggressive and non-toxic system media.
Addition of antifreeze agent up to 50%.

Pressure:

Min. admissible pressure, PSmin: 0 bar
Max. admissible pressure, PS: see Articles

Temperature:

Max. admissible bag temperature, TB: 70 °C
Min. admissible bag temperature, TBmin: 5 °C

Material:

Steel. Color beryllium.
Lock shield valve DLV: Brass

Transportation and storing:

In frostless, dry places.

Approvals:

CE design-tested according to PED/DEP 97/23/EC.

Warranty:

Statico SD, SU: 5-year warranty for the vessel.
Statico SG: 5-year warranty for the airproof butyl bag.

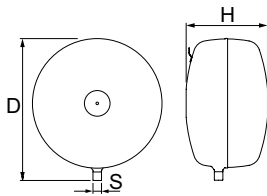
Function, Equipment, Features

- Airproof butyl bag according to EN 13831.
- Airproof butyl bag according to EN 13831, exchangeable (SG).

- Sinus ring for upright assembly and easy transport (SU). Feet for upright assembly (SG). Wall bracket for easy assembly (SD).

- Installation with bottom, side or top connection. From 80 litres with bottom or side connection (SD).

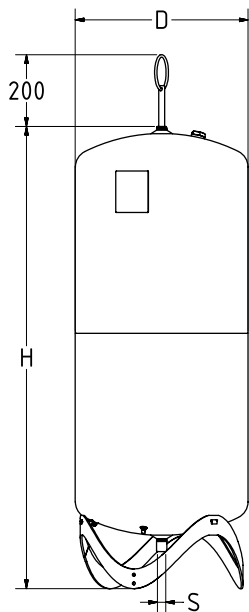
Articles



Statico SD

Disc shaped

Type	VN [l]	p0 [bar]	D	H	m [kg]	S	EAN	Article No
3 bar (PS)								
SD 8.3	8	1	314	166	3,5	R1/2	7640148630016	710 1000
SD 12.3	12	1	352	199	3,7	R1/2	7640148630023	710 1001
SD 18.3	18	1	393	222	4,1	R3/4	7640148630030	710 1002
SD 25.3	25	1	436	249	5	R3/4	7640148630047	710 1003
SD 35.3	35	1	485	280	6,4	R3/4	7640148630054	710 1004
SD 50.3	50	1,5	536	316	8	R3/4	7640148630061	710 1005
SD 80.3	80	1,5	636	346	12,7	R3/4	7640148630078	710 1006
10 bar (PS)								
SD 8.10	8	4	314	166**	4,0	R1/2	7640148630085	710 3000
SD 12.10	12	4	352	199**	5,1	R1/2	7640148630092	710 3001
SD 18.10	18	4	393	222**	6,5	R3/4	7640148630108	710 3002
SD 25.10	25	4	436	249**	8	R3/4	7640148630115	710 3003
SD 35.10	35	4	485	280**	9,7	R3/4	7640148630122	710 3004
SD 50.10	50	4	536	316**	12	R3/4	7640148630139	710 3005
SD 80.10	80	4	636	346**	16	R3/4	7640148630146	710 3006



Statico SU

Slim, cylindrical model

Type	VN [l]	p0 [bar]	D	H	H***	m [kg]	S	EAN	Article No
3 bar (PS)									
SU 140.3	140	1,5	420	1268	1489	25	R3/4	7640148630153	710 1008
SU 200.3	200	1,5	500	1338	1565	32	R3/4	7640148630160	710 1010
SU 300.3	300	1,5	560	1469	1692	38	R3/4	7640148630177	710 1011
SU 400.3	400	1,5	620	1532	1760	56	R3/4	7640148630184	710 1012
SU 500.3	500	1,5	680	1628	1859	65	R3/4	7640148630191	710 1013
SU 600.3	600	1,5	740	1638	1874	75	R3/4	7640148630207	710 1014
SU 800.3	800	1,5	740	2132	2360	98	R3/4	7640148630214	710 1015
6 bar (PS)									
SU 140.6	140	3,5	420	1268	1489	25	R3/4	7640148630221	710 2008
SU 200.6	200	3,5	500	1338	1565	33	R3/4	7640148630238	710 2009
SU 300.6	300	3,5	560	1469	1692	39	R3/4	7640148630245	710 2010
SU 400.6	400	3,5	620	1532	1760	57	R3/4	7640148630252	710 2011
SU 500.6	500	3,5	680	1628	1859	66	R3/4	7640148630269	710 2012
SU 600.6	600	3,5	740	1638	1874	76	R3/4	7640148630276	710 2013
SU 800.6	800	3,5	740	2132	2360	100	R3/4	7640148630283	710 2014
10 bar (PS)									
SU 140.10	140	4	420	1268	1489	32	R3/4	7640148630290	710 3007
SU 200.10	200	4	500	1338	1565	40	R3/4	7640148630306	710 3008
SU 300.10	300	4	560	1469	1692	59	R3/4	7640148630313	710 3009
SU 400.10	400	4	620	1532	1760	70	R3/4	7640148630320	710 3010
SU 500.10	500	4	680	1628	1859	91	R3/4	7640148630337	710 3011
SU 600.10	600	4	740	1638	1874	107	R3/4	7640148630344	710 3012

VN = Nominal volume

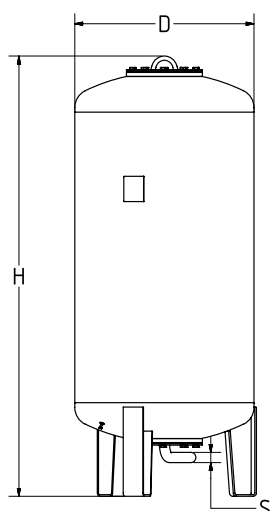
**) Tolerance 0 /+35

***) Max. height when vessel is tilted

Accessories:

Lock shield valve DLV

Intermediate vessel see datasheet Accessories



Statico SG

Slim, cylindrical model

Type*	VN [l]	p0 [bar]	D	H**	H***	m [kg]	S	EAN	Article No
6 bar (PS)									
SG 1000.6	1000	3,5	850	2089	2130	290	R1 1/2	7640148630351	710 2015
SG 1500.6	1500	3,5	1016	2248	2295	400	R1 1/2	7640148630368	710 2016
SG 2000.6	2000	3,5	1016	2738	2793	680	R1 1/2	7640148630375	710 2021
SG 3000.6	3000	3,5	1300	2850	2936	840	R1 1/2	7640148630382	710 2018
SG 4000.6	4000	3,5	1300	3496	3547	950	R1 1/2	7640148630399	710 2019
SG 5000.6	5000	3,5	1300	4140	4188	1050	R1 1/2	7640148630405	710 2020
10 bar (PS)									
SG 1000.10	1000	4	850	2092	2133	340	R1 1/2	7640148630412	710 3013
SG 1500.10	1500	4	1016	2277	2329	460	R1 1/2	7640148630429	710 3014
SG 2000.10	2000	4	1016	2774	2819	760	R1 1/2	7640148630436	710 3019
SG 3000.10	3000	4	1300	2873	2956	920	R1 1/2	7640148630443	710 3016
SG 4000.10	4000	4	1300	3518	3580	1060	R1 1/2	7640148630450	710 3017
SG 5000.10	5000	4	1300	4169	4211	1180	R1 1/2	7640148630467	710 3018

VN = Nominal volume

*) Applications > 10 bar and special vessels upon request.

**) Tolerance 0 /-100.

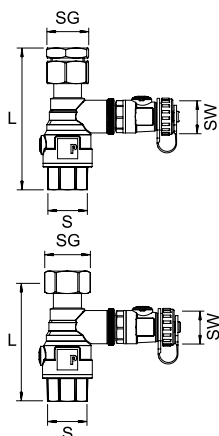
***) Max. height when vessel is tilted

Accessories: Intermediate vessel see datasheet Accessories

Accessories for pressure maintenance

Maintenance and disassembly of expansion vessels.

Can only be closed with an allen key which is include in the supply, ball valve with DN 15 hose connection for fast draining.



Lock shield valve DLV

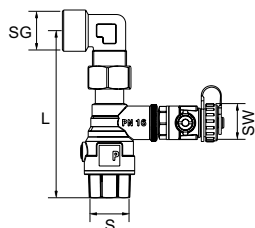
Female thread on both sides, screw connection on the vessel connection side.

Type	PS [bar]	L	m [kg]	S	SG	SW	EAN	Article No
DLV 15	16	117	0,7	Rp3/4	Rp1/2	G3/4	7640148638562	535 1432

Lock shield valve DLV

Female thread on both sides, flat sealing union for direct connection to all suitable expansion vessels.

Type	PS [bar]	L	m [kg]	S	SG	SW	EAN	Article No
DLV 20	16	92	0,6	Rp3/4	G3/4	G3/4	7640148638579	535 1434
DLV 25	16	95	0,7	Rp1	G1	G3/4	7640148638586	535 1436



Connection set DLV A

Female thread on both sides, 90° bend with threaded seal for direct connection to Statico SU expansion vessels.

Type	PS [bar]	L	m [kg]	S	SG	SW	EAN	Article No
DLV 20 A	16	128	0,8	Rp3/4	Rp3/4	G3/4	7640148639842	746 2000

Additional information:

System design: Datasheet *Planning and calculation*. Calculation: Software HySelect

Abbreviations and terminology: Datasheet *Planning and calculation*.

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