

Statico

Expansion vessels with fixed air cushion



PNEUMATEX

Pressurisation & Water Quality › Balancing & Control › Thermostatic Control

ENGINEERING ADVANTAGE

Statico is the product name for pressure expansion vessels with fixed gas charge for heating, solar and cooling water systems. Its 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.



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 temperature, TS: 120 °C
Min. admissible temperature, TSmin: -10 °C
Max. admissible bag temperature, TB: 70 °C
Min. admissible bag temperature, TBmin: 5 °C

Material:

Steel. Color beryllium.
Lock shield valve DLV: Brass

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).

Transportation and storing:

In frostless, dry places.

Approvals:

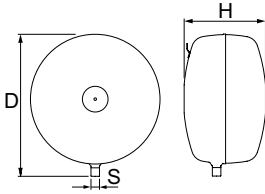
CE design-tested according to PED/DEP 97/23/EC.

Warranty:

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

Articles

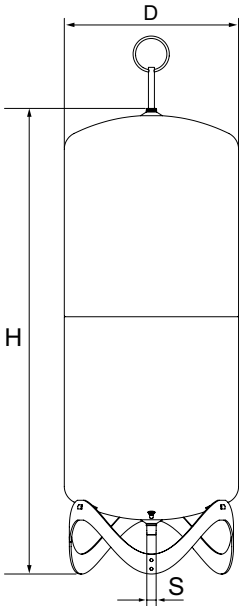
StatICO SD Discus shaped



Type	VN [l]	PO [bar]	D	H	[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

***) Tolerance 0 / +35

StatICO SU Slim, cylindrical model

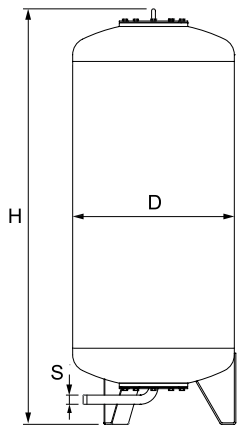


Type	VN [l]	PO [bar]	D	H	[kg]	S	EAN	Article No
3 bar (PS)								
SU 140.3	140	1,5	420	1268	26	R3/4	7640148630153	710 1008
SU 200.3	200	1,5	500	1338	30	R3/4	7640148630160	710 1010
SU 300.3	300	1,5	560	1469	37	R3/4	7640148630177	710 1011
SU 400.3	400	1,5	620	1532	54	R3/4	7640148630184	710 1012
SU 500.3	500	1,5	680	1628	63	R3/4	7640148630191	710 1013
SU 600.3	600	1,5	740	1638	70	R3/4	7640148630207	710 1014
SU 800.3	800	1,5	740	2132	91	R3/4	7640148630214	710 1015
6 bar (PS)								
SU 140.6	140	3,5	420	1268	30	R3/4	7640148630221	710 2008
SU 200.6	200	3,5	500	1338	35	R3/4	7640148630238	710 2009
SU 300.6	300	3,5	560	1469	43	R3/4	7640148630245	710 2010
SU 400.6	400	3,5	620	1532	62	R3/4	7640148630252	710 2011
SU 500.6	500	3,5	680	1628	73	R3/4	7640148630269	710 2012
SU 600.6	600	3,5	740	1638	81	R3/4	7640148630276	710 2013
SU 800.6	800	3,5	740	2132	105	R3/4	7640148630283	710 2014
10 bar (PS)								
SU 140.10	140	4	420	1268	34	R3/4	7640148630290	710 3007
SU 200.10	200	4	500	1338	42	R3/4	7640148630306	710 3008
SU 300.10	300	4	560	1469	66	R3/4	7640148630313	710 3009
SU 400.10	400	4	620	1532	75	R3/4	7640148630320	710 3010
SU 500.10	500	4	680	1628	103	R3/4	7640148630337	710 3011
SU 600.10	600	4	740	1638	113	R3/4	7640148630344	710 3012

Accessories: Lock shield valve DLV
Intermediate vessel see datasheet Accessories

Statico SG

Slim, cylindrical model



Type*	VN [l]	P0 [bar]	D	H**	[kg]	S	EAN	Article No
6 bar (PS)								
SG 1000.6	1000	3,5	850	2189	290	R1 1/2	7640148630351	710 2015
SG 1500.6	1500	3,5	1016	2342	400	R1 1/2	7640148630368	710 2016
SG 2000.6	2000	3,5	1016	2839	680	R1 1/2	7640148630375	710 2021
SG 3000.6	3000	3,5	1300	2949	840	R1 1/2	7640148630382	710 2018
SG 4000.6	4000	3,5	1300	3595	950	R1 1/2	7640148630399	710 2019
SG 5000.6	5000	3,5	1300	4240	1050	R1 1/2	7640148630405	710 2020
10 bar (PS)								
SG 1000.10	1000	4	850	2192	340	R1 1/2	7640148630412	710 3013
SG 1500.10	1500	4	1016	2377	460	R1 1/2	7640148630429	710 3014
SG 2000.10	2000	4	1016	2874	760	R1 1/2	7640148630436	710 3019
SG 3000.10	3000	4	1300	2973	920	R1 1/2	7640148630443	710 3016
SG 4000.10	4000	4	1300	3618	1060	R1 1/2	7640148630450	710 3017
SG 5000.10	5000	4	1300	4263	1180	R1 1/2	7640148630467	710 3018

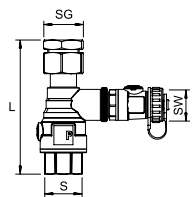
*) Applications > 10 bar and special vessels upon request. **) Tolerance 0 /-100.

Accessories: Intermediate vessel see datasheet Accessories

Accessories for pressure maintenance

Maintenance and disassembly of expansion vessels.

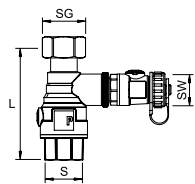
Can only be closed with an allen key which is include in the supply, ball valve with DN 15 hose connection for fast draining.



Lock shield valve DLV

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

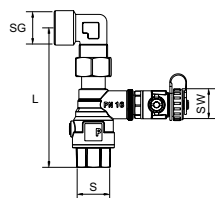
Type	PS [bar]	L	[kg]	S	SG	SW	EAN	Article No
DLV 15	16	117	0,7	Rp3/4	Rp1/2	G3/4	7640148638562	535 1432



Lock shield valve DLV

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

Type	PS [bar]	L	[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	[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*. Online calculation: Software *SelectPI!*

Abbreviations and terminology: Datasheet *Planning and calculation*.

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