

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

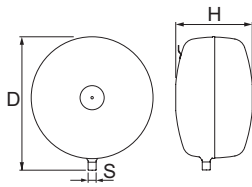
- Airproof butyl bag according to EN 13831.

- 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).

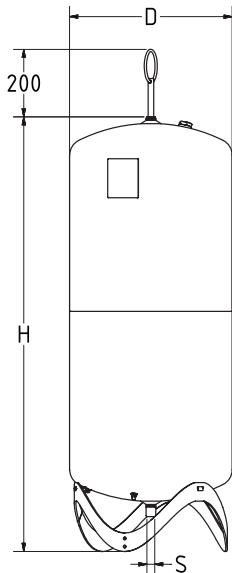
Articles



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

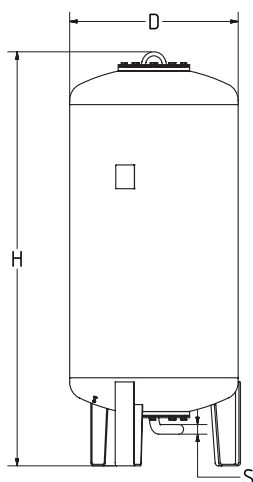
***) Tolerance 0 /+35

***) 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.

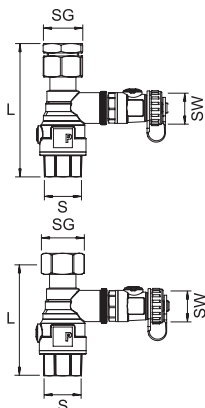
***) Max. height when vessel is tilted

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

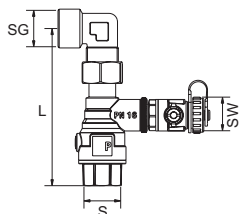
Female thread on both sides, screw connection on the vessel connection side.

| 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*.