

Accessories



Accessories
for pressure maintenance

*Engineering
GREAT Solutions*

Accessories

High quality accessories complete the range of PNEUMATEX pressure maintenance products. Thus technology becomes system technology. These products are suitable for application in systems specified to EN 12828 and SWKI 93-1.

Technical description – Intermediate vessels

Applications:

Heating, solar and chilled water systems.

Functions:

Protection against inadmissible temperature in expansion vessels.

Pressure:

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

Temperature:

Intermediate vessel DD/DU:
Max. admissible temperature, TS: 110 °C
Min. admissible temperature, TSmin: -10 °C
Intermediate vessel DG:
Max. admissible temperature, TS: 180 °C
Min. admissible temperature, TSmin: -10 °C

Material:

Steel. Color beryllium.

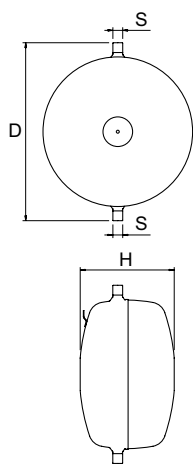
Transportation and storing:

In frostless, dry places.

Approvals:

CE design-tested according to PED/DEP 2014/68/EU.

Intermediate vessels - Articles



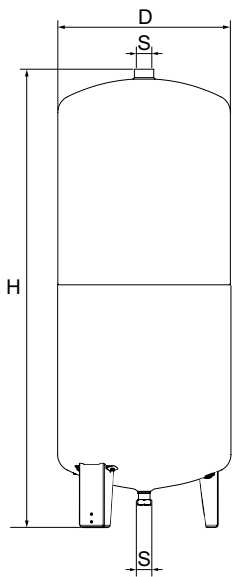
Intermediate vessel DD

Wall bracket for the easy assembly.

Type	VN [l]	D	H**	m [kg]	S	EAN	Article No
10 bar (PS)							
DD 8.10	8	345	166	3,9	2x R1/2	7640148634359	714 2020
DD 12.10	12	386	201	5,1	2x R1/2	7640148634366	714 2021
DD 18.10	18	430	224	6,3	2x R3/4	7640148634373	714 2022
DD 25.10	25	472	251	8,1	2x R3/4	7640148634380	714 2023
DD 35.10	35	521	280	10	2x R3/4	7640148634397	714 2024
DD 50.10	50	587	317	12,2	2x R1	7640148634403	714 2025
DD 80.10	80	687	347	16,4	2x R1	7640148634410	714 2026

VN = Nominal volume

***) Tolerance 0 /+35



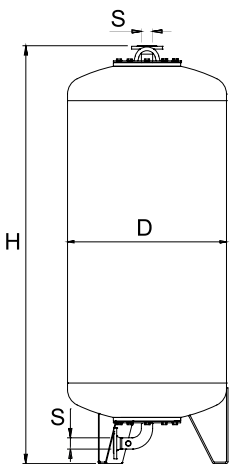
Intermediate vessel DU

Sinus ring for upright assembly.

Type*	VN [l]	D	H	m [kg]	S	EAN	Article No
6 bar (PS)							
DU 140.6	140	420	1316	23	2x Rp1 1/2	7640148634427	714 1002
DU 200.6	200	500	1384	29	2x Rp1 1/2	7640148634434	714 1003
DU 300.6	300	560	1517	35	2x Rp1 1/2	7640148634441	714 1004
DU 400.6	400	620	1580	52	2x Rp1 1/2	7640148634458	714 1005
DU 500.6	500	680	1673	60	2x Rp1 1/2	7640148634465	714 1006
DU 600.6	600	740	1678	70	2x Rp1 1/2	7640148634472	714 1007
10 bar (PS)							
DU 200.10	200	500	1384	37	2x Rp1 1/2	7640148634489	714 2003
DU 300.10	300	560	1517	54	2x Rp1 1/2	7640148634496	714 2004
DU 500.10	500	680	1673	89	2x Rp1 1/2	7640148634502	714 2006

VN = Nominal volume

*) Vessels > 500 litres, 10 bar upon request.



Intermediate vessel DG

Feet for upright assembly.

Two flange openings for internal inspections.

Type	VN [l]	D	H**	m [kg]	S EN 1092-1	EAN	Article No
6 bar (PS)							
DG 700.6	700	750	2087	200	2xDN50	7640148634519	714 1008
DG 1000.6	1000	850	2210	280	2xDN50	7640148634526	714 1009
DG 1500.6	1500	1016	2391	385	2xDN50	7640148634533	714 1010
DG 2000.6	2000	1016	2909	655	2xDN65	7640148634540	714 1015
DG 3000.6	3000	1300	3008	810	2xDN65	7640148634557	714 1012
DG 4000.6	4000	1300	3653	920	2xDN65	7640148634564	714 1013
DG 5000.6	5000	1300	4300	1015	2xDN65	7640148634571	714 1014
10 bar (PS)							
DG 300.10	300	500	1965	170	2xDN50	7640148634588	714 2008
DG 500.10	500	650	2014	225	2xDN50	7640148634595	714 2009
DG 700.10	700	750	2087	240	2xDN50	7640148634601	714 2010
DG 1000.10	1000	850	2211	330	2xDN50	7640148634618	714 2011
DG 1500.10	1500	1016	2394	445	2xDN50	7640148634625	714 2012
DG 2000.10	2000	1016	2918	735	2xDN65	7640148634632	714 2017
DG 3000.10	3000	1300	3024	890	2xDN65	7640148634649	714 2014
DG 4000.10	4000	1300	3669	1030	2xDN65	7640148634656	714 2015
DG 5000.10	5000	1300	4314	1145	2xDN65	7640148634663	714 2016
16 bar (PS)							
DG 300.16	300	500	1965	190	2xDN50	7640148634670	714 3000
DG 500.16	500	650	2016	255	2xDN50	7640148634687	714 3001
DG 700.16	700	750	2087	280	2xDN50	7640148634694	714 3002
DG 1000.16	1000	850	2247	385	2xDN50	7640148634700	714 3003
DG 1500.16	1500	1016	2393	510	2xDN50	7640148634717	714 3004
DG 2000.16	2000	1016	2935	820	2xDN65	7640148634724	714 3012
DG 3000.16	3000	1300	3040	995	2xDN65	7640148634731	714 3006
DG 4000.16	4000	1300	3685	1145	2xDN65	7640148634748	714 3007
DG 5000.16	5000	1300	4330	1280	2xDN65	7640148634755	714 3008

VN = Nominal volume

***) Tolerance 0 /-100.

Technical description – Low water protection

Applications:

Heating water systems.
Deployment in systems according to
EN 12828, SWKI 93-1.

Functions:

Protection of the heat generator and the system from
overheating in case of lack of water.

Pressure:

Min. admissible pressure, PSmin: 0 bar
Max. admissible pressure, PS: 10 bar

Temperature:

Max. admissible temperature,
TS: 120 °C
Min. admissible temperature,
TSmin: -10 °C

Material:

Main body made of nodular graphite iron, zinc coated.

Transportation and storing:

In frostless, dry places.

Approvals:

Component inspected TÜV-HWB-96.

Low water protection

Low water protection WMS

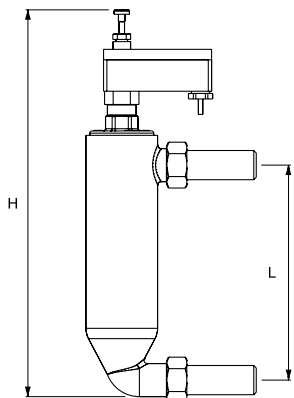
Locking after turning off, change-over contact for signalling.
2 welding connections.
Vertical installation.

Type	H	L	m [kg]	U [V]	I [A]	EAN	Article No
10 bar (PS)							
WMS 933.1	370	195	3,3	250	10	7640148638630	502 1003

Low water protection WMS

No locking after turning off, change-over contact for signalling.
2 welding connections.
Vertical installation.

Type	H	L	m [kg]	U [V]	I [A]	EAN	Article No
10 bar (PS)							
WMS 933.2	370	195	3,3	250	10	7640148638647	502 1004



Technical description – Pre-pressure measuring gauge

Applications:

Heating, solar and cooling water systems.
Deployment in systems according to EN 12828, SWKI 93-1.

Functions:

Control of the pre-pressure at expansion vessels. Auto on/off. Automatic calibration.

Pressure:

Min. admissible pressure, PSmin: 0 bar
Max. admissible pressure, PS: 10 bar

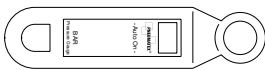
Temperature:

Max. admissible temperature, TS: 120 °C
Min. admissible temperature, TSmin: -10 °C

Material:

Rugged plastic housing.

Pre-pressure measuring gauge



Pre-pressure measuring gauge DME

Type	PS [bar]	m [kg]	EAN	Article No
DME	10	0,3	7640148638593	500 1048

Technical description – Manometer

Applications:

Heating, solar and cooling water systems.
Deployment in systems according to EN 12828, SWKI 93-1.

Functions:

Control of the filling pressure at expansion vessels.

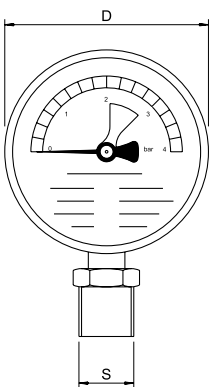
Pressure:

Min. admissible pressure, PSmin: 0 bar
Max. admissible pressure, PS: 4 bar

Temperature:

Max. admissible temperature, TS: 60 °C
Min. admissible temperature, TSmin: -10 °C

Manometer



Manometer H

Display range 0-4 bar, with marked green pressure bandwidth for working pressure.
Bottom connection.

Type	PS	D	m [kg]	S	EAN	Article No
H4	4	80	0,3	R1/2	7640148638616	501 1037

Technical description – Thermometer/Manometer

Applications:

Heating, solar and cooling water systems.
Deployment in systems according to EN 12828, SWKI 93-1.

Functions:

Control of the filling pressure at expansion vessels.

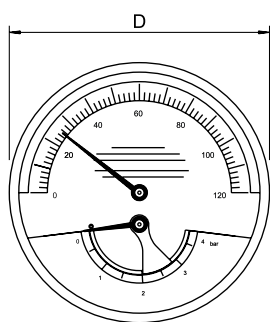
Pressure:

Min. admissible pressure, PSmin: 0 bar
Max. admissible pressure, PS: 4 bar

Temperature:

Max. admissible temperature, TS: 120 °C
Min. admissible temperature, TSmin: -10 °C

Thermometer/Manometer



Thermometer/Manometer TH

Pressure display range 0-4 bar, temperature display range 0-120 °C, with marked green pressure bandwidth for working pressure.
Rear connection.

Type	PS [bar]	D	m [kg]	S	EAN	Article No
TH4	4	80	0,3	R1/2	7640148638623	501 1038

Technical description – Push button valve

Applications:

Heating, solar and cooling water systems.
Deployment in systems according to EN 12828, SWKI 93-1.

Functions:

Shut-off of manometers. Pressure measurement only with pressed piston, otherwise the manometer is unpressurized.

Pressure:

Min. admissible pressure, PSmin: 0 bar
Max. admissible pressure, PS: 30 bar

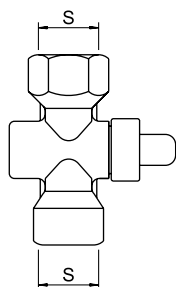
Temperature:

Max. admissible temperature, TS: 100 °C
Min. admissible temperature, TSmin: -20 °C

Material:

Nickle-plated brass.

Push button valve



Push button valve DH

Type	PS [bar]	m [kg]	S	EAN	Article No
DH	30	0,3	G1/2	7640148638609	500 1060

Technical description – Lock shield valve

Applications:

Heating, solar and cooling water systems.
Deployment in systems according to EN 12828, SWKI 93-1.

Media:

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

Functions:

Shut-off. Maintenance and disassembly of expansion vessels.

Pressure:

Min. admissible pressure, PSmin: 0 bar
Max. admissible pressure, PS: 16 bar

Temperature:

Max. admissible temperature, TS: 120 °C
Min. admissible temperature, TSmin: -10 °C

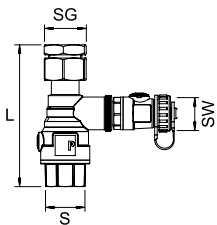
Material:

Brass.

General:

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

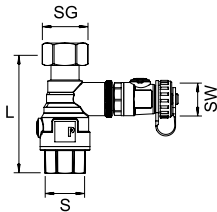
Lock shield valve



Lock shield valve DLV

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

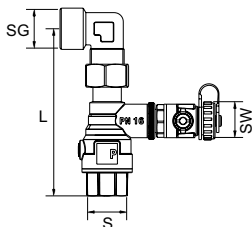
Type	PS [bar]	L	m [kg]	S	SG	SW	EAN	Article No
DLV 15	16	117	0,7	Rp3/4	Rp1/2	G3/4	7640148638562	535 1432



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*.

