

Aquapresso

Pressure stabilisation for potable water



PNEUMATEX

Pressurisation & Water Quality › Balancing & Control › Thermostatic Control

ENGINEERING ADVANTAGE

Expansion vessels with fixed gas cushion for drinking water systems. The airproof butyl bag, made from special butyl rubber and suitable for drinking water, is legendary. Together with the full flowthrough, the vessels offer a unique standard of hygiene.



› Technical description

Application:

Drinking water heating systems, pressure-boosting systems, max. chloride content 125 mg/l (70 °C), 250 mg/l (45 °C).

Pressure:

Min. admissible pressure, PSmin: 0 bar

Max. admissible pressure, PS: see Articles

Limit value for the pressure maintenance (PO), factory setting: 4 bar

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

Materials:

Steel. Colour beryllium.

All metallic parts in contact with water in stainless steel.

Function, Equipment, Features:

- Airproof butyl bag according to EN 13831 and Pneumatex internal standard.
- Airproof butyl bag according to EN 13831 and Pneumatex internal standard exchangeable (AG, AGF).
- Hydrowatch for tightness control of the bag (ADF, AUF, AGF).
- Flowfresh full flow-through (ADF, AUF, AGF).
- Endoscopic inspection opening for internal inspections (AU, AUF), two flange openings for internal inspections (AG, AGF).
- Sinus ring for upright assembly and easy transport (AU, AUF).
- Feet for upright assembly (AG, AGF). Wall bracket for easy assembly (AD, ADF).

Transportation and storing:

In frostless, dry places.

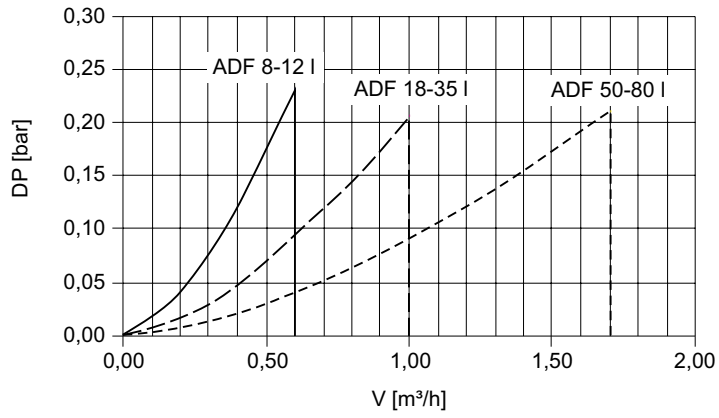
Approvals:

Drinking water inspection according to the rules of SVGW, ACS, PZH.

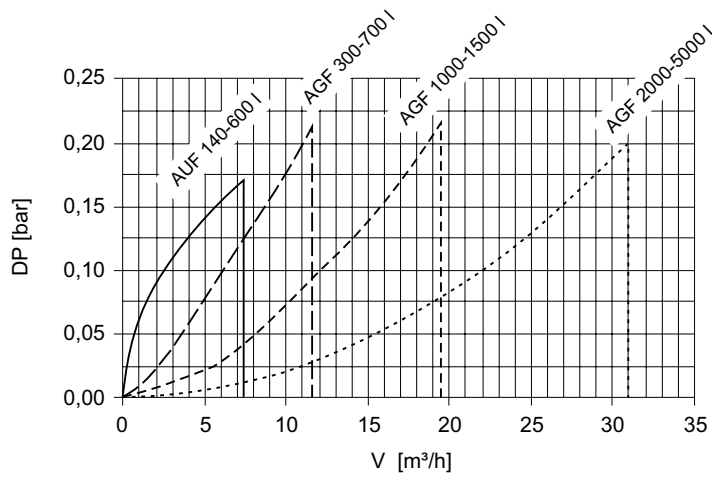
CE design-tested according to PED/DEP 97/23/EC.

Diagrams

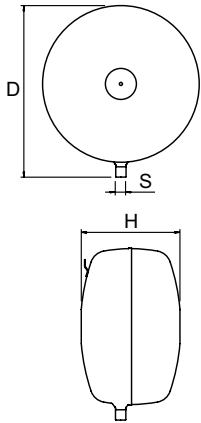
Ca. Pressure loss DP – Aquapresso ADF



Ca. Pressure loss DP – Aquapresso AUF, AGF



Articles



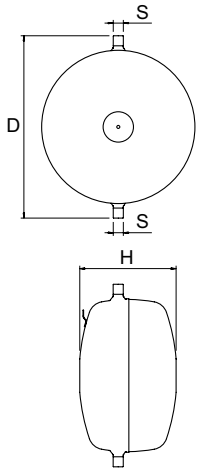
Aquapresso AD

Discus shaped.

Assembly with bottom connection.

Type	VN [l]	D	H**	[kg]	S	EAN	Article No
10 bar (PS)							
AD 8.10	8	314	166	3,8	R1/2	7640148633772	711 1000
AD 12.10	12	352	201	5,1	R1/2	7640148633789	711 1001
AD 18.10	18	393	224	6,5	R3/4	7640148633796	711 1002
AD 25.10	25	436	224	8,2	R3/4	7640148633802	711 1003
AD 35.10	35	485	280	10,1	R3/4	7640148633819	711 1004
AD 50.10	50	536	317	12,6	R3/4	7640148633826	711 1005
AD 80.10	80	636	347	16,9	R3/4	7640148633833	711 1006

**) Tolerance 0 / +35



Aquapresso ADF

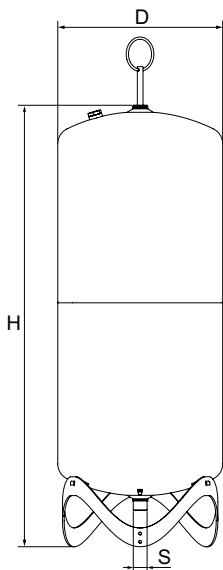
Discus shaped.

Assembly with top and bottom connection.

Flowfresh full flow-through.

Type	VN [l]	D	H**	[kg]	S	VD [m³/h]	EAN	Article No
10 bar (PS)								
ADF 8.10	8	345	166	4	2x R1/2	0,6	7640148633840	711 2000
ADF 12.10	12	386	201	5,3	2x R1/2	0,6	7640148633857	711 2001
ADF 18.10	18	430	224	6,6	2x R3/4	1,0	7640148633864	711 2002
ADF 25.10	25	472	251	8,5	2x R3/4	1,0	7640148633871	711 2003
ADF 35.10	35	521	280	10,4	2x R3/4	1,0	7640148633888	711 2004
ADF 50.10	50	587	317	13	2x R1	1,7	7640148633895	711 2005
ADF 80.10	80	687	347	17,4	2x R1	1,7	7640148633901	711 2006

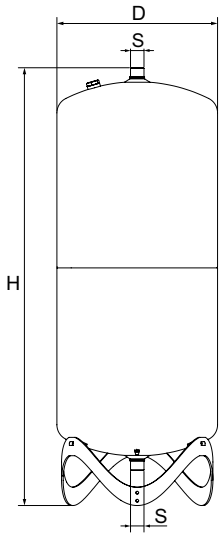
**) Tolerance 0 / +35



Aquapresso AU

Slim, cylindrical model.

Type	VN [l]	D	H	[kg]	S	EAN	Article No
10 bar (PS)							
AU 140.10	140	420	1303	34	R1 1/4	7640148633918	711 1007
AU 200.10	200	500	1340	40	R1 1/4	7640148633925	711 1008
AU 300.10	300	560	1469	62	R1 1/4	7640148633932	711 1009
AU 400.10	400	620	1533	71	R1 1/4	7640148633949	711 1010
AU 500.10	500	680	1628	95	R1 1/4	7640148633956	711 1011
AU 600.10	600	740	1636	104	R1 1/4	7640148633963	711 1012



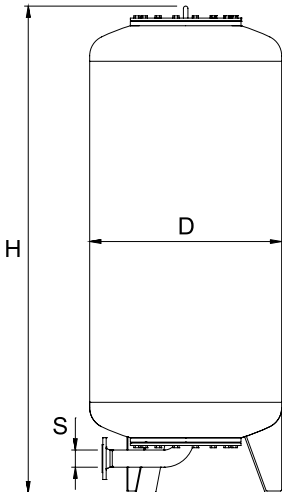
Aquapresso AUF

Slim, cylindrical model.
Flowfresh full flow-through.

Type	VN [l]	D	H	[kg]	S	VD [m ³ /h]	EAN	Article No
10 bar (PS)								
AUF 140.10	140	420	1360	35	2x R1 1/4	7,3	7640148633970	711 2007
AUF 200.10	200	500	1364	41	2x R1 1/4	7,3	7640148633987	711 2008
AUF 300.10	300	560	1495	63	2x R1 1/4	7,3	7640148633994	711 2009
AUF 400.10	400	620	1558	72	2x R1 1/4	7,3	7640148634007	711 2010
AUF 500.10	500	680	1652	96	2x R1 1/4	7,3	7640148634014	711 2011
AUF 600.10	600	740	1661	105	2x R1 1/4	7,3	7640148634021	711 2012

Aquapresso AG

Slim, cylindrical model.

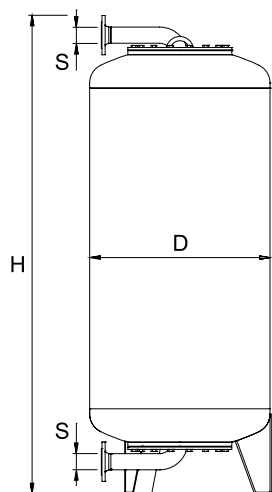


Type	VN [l]	D	H**	[kg]	S EN 1092-1	EAN	Article No	
10 bar (PS)								
AG 700.10	700	720	2001	250	DN 50	7640148634038	711 1013	
AG 1000.10	1000	850	2170	340	DN 65	7640148634045	711 1014	
AG 1500.10	1500	1016	2353	460	DN 65	7640148634052	711 1015	
AG 2000.10	2000	1016	2873	760	DN 80	7640148634069	711 1020	
AG 3000.10	3000	1300	2971	920	DN 80	7640148634076	711 1017	
AG 4000.10	4000	1300	3616	1060	DN 80	7640148634083	711 1018	
AG 5000.10	5000	1300	4261	1180	DN 80	7640148634090	711 1019	
16 bar (PS)								
AG 300.16	300	500	1924	180	DN 50	7640148634175	711 3000	
AG 500.16	500	650	1979	250	DN 50	7640148634182	711 3001	
AG 700.16	700	750	2054	290	DN 50	7640148634199	711 3002	
AG 1000.16	1000	850	2203	390	DN 65	7640148634205	711 3003	
AG 1500.16	1500	1016	2356	520	DN 65	7640148634212	711 3004	
AG 2000.16	2000	1016	2935	840	DN 80	7640148634229	711 3009	
AG 3000.16	3000	1300	2998	1000	DN 80	7640148634236	711 3006	
AG 4000.16	4000	1300	3643	1170	DN 80	7640148634243	711 3007	
AG 5000.16	5000	1300	4288	1310	DN 80	7640148634250	711 3008	

Aquapresso AGF

Slim, cylindrical model.

Flowfresh full flow-through.



Type	VN [l]	D	H**	[kg]	S EN 1092-1	VD [m ³ /h]	EAN	Article No
10 bar (PS)								
AGF 700.10	700	750	2070	260	2xDN 50	11,5	7640148634106	711 2013
AGF 1000.10	1000	850	2271	355	2xDN 65	19,5	7640148634113	711 2014
AGF 1500.10	1500	1016	2454	475	2xDN 65	19,5	7640148634120	711 2015
AGF 2000.10	2000	1016	3024	775	2xDN 80	31,0	7640148634137	711 2020
AGF 3000.10	3000	1300	3122	935	2xDN 80	31,0	7640148634144	711 2017
AGF 4000.10	4000	1300	3767	1080	2xDN 80	31,0	7640148634151	711 2018
AGF 5000.10	5000	1300	4412	1200	2xDN 80	31,0	7640148634168	711 2019
16 bar (PS)								
AGF 300.16	300	500	1991	200	2xDN 50	11,5	7640148634267	711 4000
AGF 500.16	500	650	2046	270	2xDN 50	11,5	7640148634274	711 4001
AGF 700.16	700	750	2121	300	2xDN 50	11,5	7640148634281	711 4002
AGF 1000.16	1000	850	2302	410	2xDN 65	19,5	7640148634298	711 4003
AGF 1500.16	1500	1016	2455	540	2xDN 65	19,5	7640148634304	711 4004
AGF 2000.16	2000	1016	3041	860	2xDN 80	31,0	7640148634311	711 4009
AGF 3000.16	3000	1300	3146	1040	2xDN 80	31,0	7640148634328	711 4006
AGF 4000.16	4000	1300	3791	1195	2xDN 80	31,0	7640148634335	711 4007
AGF 5000.16	5000	1300	4436	1335	2xDN 80	31,0	7640148634342	711 4008

**) Tolerance 0 / -100.

Additional information:

System design: Datasheet *Planning and calculation*. Online calculation: Software *SelectPI*

Abbreviations and terminology: Datasheet *Planning and calculation*.

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