

HYDROSOLV®

Type: S

Application

HYDROSOLV® filter used for partial decarburising of soft and acid water.

Thanks to the special filter material, the free carbonic acid is bound and the pH-value increased to an alkali range.

The water to be treated shall be free from any mechanical contamination.

The filter material is exhausted dependent on pH-value and water consumption and must be added from time to time.

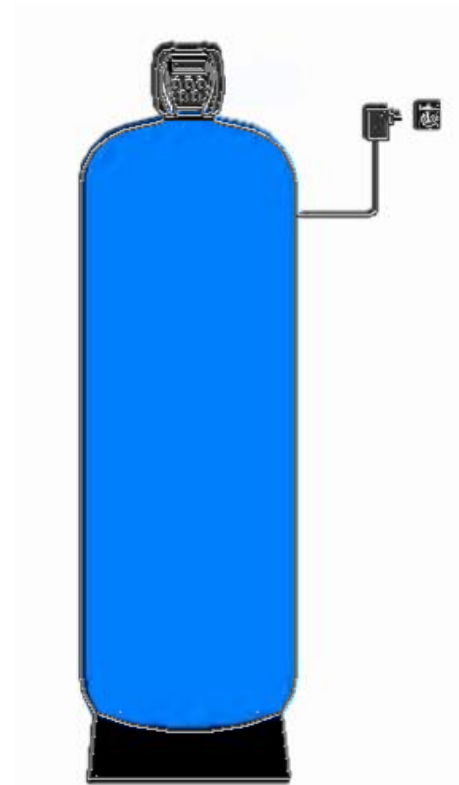
Function

HYDROSOLV® filter designed and constructed as single tank filter.

A fully automatic operation is guaranteed by a modern and efficient microprocessor control. Backwash is preferably with time control and, on request, with volume control as an option.

The following functions and display monitoring can be requested and retrieved via the control:

- Diagnose mode
- Days since last backwash
- Flow (size DN 25 only)
- History



Description / Scope of Supply

HYDROSOLV® filter consisting of:

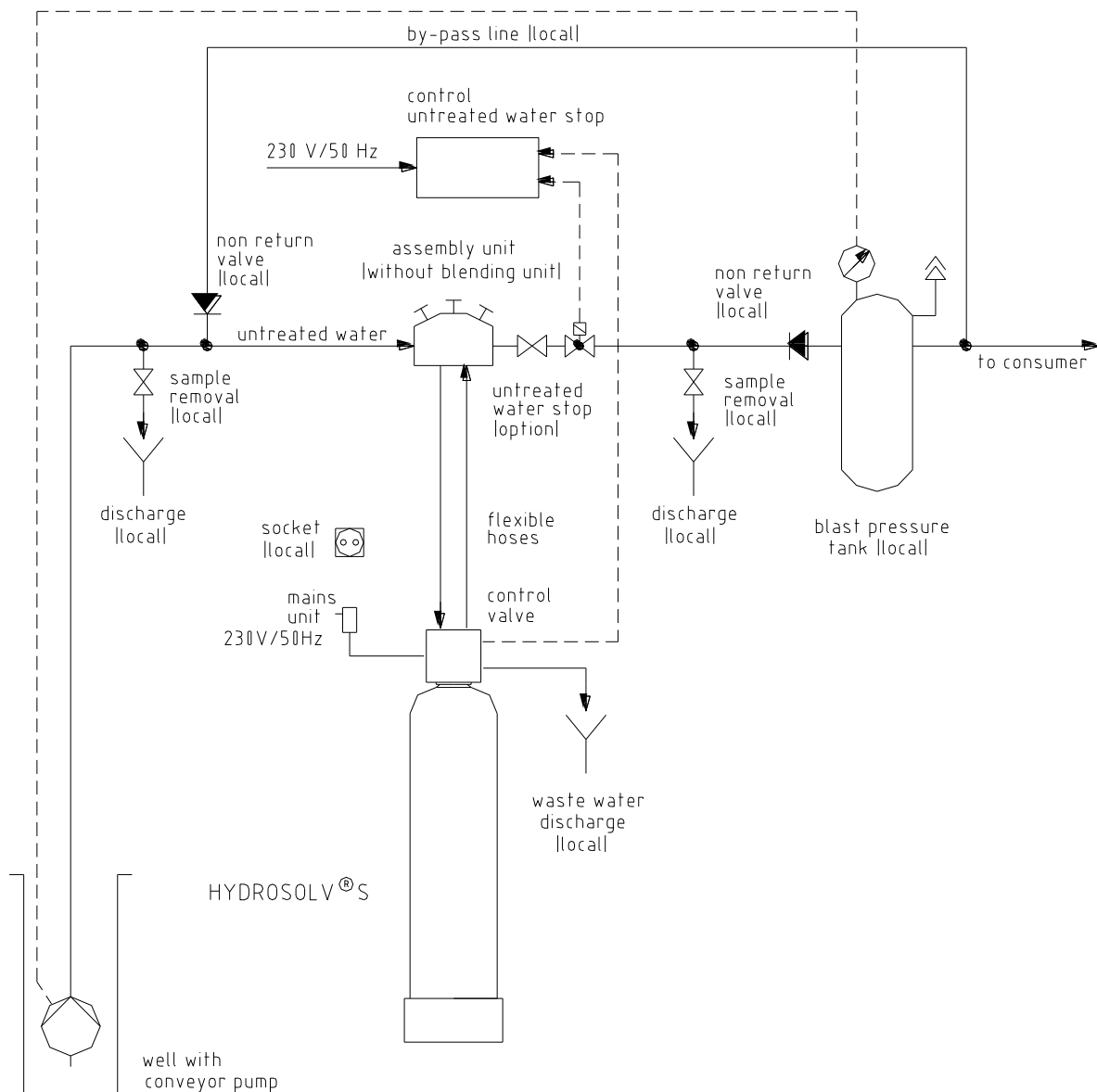
- 1 x pressure vessel
- 1 x filter material (special filter material, quartz gravel)
- 1 x central control valve
 - 1" - plastic (noryle)
 - 1 1/2" - brass with epoxy resin coating
- 1 x vane-type water meter (size DN 25 only)
- 1 x throttle valve to adjust the volume flow
- 1 x plug mains unit
- 1 x O&M

Accessories

- Flexible hoses 1" – art.-no. 001.034
- Flexible hoses 1 1/2" – art.-no. 001.038
- Untreated water stop DN 25 – art.-no. 550.145
- Untreated water stop DN 40 – art.-no. 520.156
- Measuring kit pH-value – art.-no. 500.009
- Vane-type water meter DN 40 – art.-no. 590.446

Note / Conditions for installation

- The technical data and any general technical regulations as well as local installation rules shall be considered and guaranteed.
- The ambient temperature as well as any possible radiation heat shall not exceed 40°C.
- The installation site shall be resistant to frost.
- The installation site shall be free from fumes from solvents, color, lacquer and chemicals.
- A mains socket (230 V / 50 Hz) shall be provided adjacent to the system.
- A drain shall be provided (DN100) for backwash water.
- When using a lifting appliance, the size shall be adapted to the waste water volume.



HYDROTEC

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Technical data		HYDRO SOLV [®] S						
Type		1054	1354	1465	1665	1865	2162	2472
Connection feed / outlet		DN 25 (R 1" M)					DN 40 (R 1 1/2" F)	
Connection waste water		3/4"	3/4"	1"	1"	1"	1"	1"
Drain line (min.)		DN 100						
Connected load		230 V / 50 Hz AC						
Electrical connection		12 V AC / 500 mA						
Operational pressure min. / max.		2,0 bar / 8,0 bar						
Water temperature min. / max.		5 °C / 30 °C						
Ambient temperature max.		5 °C / 40 °C						
Resin vessel volume	Ltr.	63	105	150	194	257	330	473
Diameter pressure tank	mm	257	336	363	413	486	550	626
Filling								
CC filter material	Ltr.	62,5	100	150	175	200	300	440
Quartz gravel	kg	12,5	12,5	25	25	38	50	50
Backwash	Min.	10	10	10	10	10	10	10
Rinse	Min.	5	5	5	5	5	5	5
Flow (10 - 20 m/h) *)	m ³ /h	1,0	1,5	2,2	3,0	3,5	4,5	5,0
Min. required backwash flow volume	m ³ /h	1,5	2,3	2,5	3,0	3,9	4,5	6,2
Backwash water volume	m ³	0,4	0,6	0,6	0,7	1,0	1,1	1,5
Dimensions								
H = Height max.	mm	1800	1800	2100	2100	2150	2150	2350
H1 = Height pressure tank	mm	1386	1393	1674	1671	1722	1721	1915
H2 = Height feed / outlet control valve	mm	1441	1448	1729	1726	1777	1786	1980
H3 = Height with control valve	mm	1566	1573	1854	1851	1902	1901	2095
B = Width max.	mm	300	350	380	420	500	600	650
T = Depth max.	mm	300	350	380	420	500	600	650
Operational weight max.	kg	100	162	240	296	382	512	728

*) Actual flow dependent on water quality and local installation.

Note: Technical layout necessary.

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Dimensions HYDROSOLV® S

