



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HONEYWELL HS10S. You'll find the answers to all your questions on the HONEYWELL HS10S in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HONEYWELL HS10S
User guide HONEYWELL HS10S
Operating instructions HONEYWELL HS10S
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Honeywell

HS10S

Combination water supply unit

Product specification sheet



Application

HS10S combination water supply units integrate a check valve with test point, reverse rinsing fine filter, pressure reducing valve and shutoff valve in one appliance. They ensure a continuous supply of filtered water. The fine filter stops the ingress of foreign bodies, for example rust particles, strands of hemp and grains of sand. The check valve protects the mains water system against back pressure, back flow and back siphonage of health threatening liquids. The pressure reducing valve prevents over-pressure damage and reduces water consumption.

All individual units correspond to the requirements of current DIN/DVGW specifications. Technical features of each unit also apply to the combination assembly.

Special Features

- DIN/DVGW approved
- Double Spin Technology for connection sizes 1/2" to 1 1/4"
 - Cartridge with external rotor enabling simultaneous clearing in lower and upper filter areas
 - Visual function check possible
- Especially compact because pressure reducing valve, fine filter, check valve and shutoff valve are combined in one unit
- Filtered water supplied even during reverse rinsing
- Patented reverse rinsing system - fast and thorough cleaning of the filter with small amount of water
- Automatic reverse rinsing actuator with bayonet connector can be retrofitted
- Shock resistant clear synthetic material filter bowl enables easy checking of filter contamination
- Inlet pressure balancing - fluctuating inlet pressure does not influence outlet pressure
- Filter and complete filter bowl are replaceable
- The valve insert is of high quality synthetic material and can be fully exchanged

Range of Application

Medium	Water
Inlet pressure	Max. 16.0 bar with clear filter bowl
	Max. 25.0 with red-bronze filter bowl
Outlet pressure	1.5 - 6.0 bar

The filter is constructed for drinking water installations. In case of a process water application the filter has to be proven individually.

Technical Data

Installation position	Horizontal, with filter bowl downwards
Operating temperature	Max. 40 °C with clear filter bowl
	Max. 70 °C with red-bronze filter bowl
Operating pressure	Min. 1.5 bar
Connection size	1/2" - 2"

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Construction

The domestic water station comprises:

- Housing with inlet and outlet pressure gauges
- Check valve on inlet
- Test point for check valve
- Fine filter in clear filter bowl
- Ball valve with drain connection
- Spring bonnet with adjustment knob and setting scale
- Valve insert complete with diaphragm and valve seat
- Threaded or soldered union connections
- Shutoff valve
- Double ring wrench

Materials

- Demineralisation resistant brass housing
- Brass shutoff valve and connectors
- High grade synthetic material check valve cartridge
- Stainless steel fine filter
- Red-bronze or shock-resistant, clear transparent synthetic material filter bowl
- High-quality synthetic material spring bonnet
- High-quality synthetic material valve insert
- Fibre-reinforced NBR diaphragm
- NBR seals

DIN EN 15103/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100



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Manual abstract:

@@The check valve protects the mains water system against back pressure, back flow and back syphonage of health threatening liquids. The pressure reducing valve prevents over-pressure damage and reduces water consumption. All individual units correspond to the requirements of current DIN/ DVGW specifications. Technical features of each unit also apply to the combination assembly. Special Features · · DIN/DVGW approved Double Spin Technology for connection sizes 1/2" to 1 1/4" o Cartridge with external rotor enabling simultaneous cleaning in lower and upper filter areas o Visual function check possible Especially compact because pressure reducing valve, fine filter, check valve and shutoff valve are combined in one unit Filtered water supplied even during reverse rinsing Patented reverse rinsing system - fast and thorough cleaning of the filter with small amount of water Automatic reverse rinsing actuator with bayonet connector can be retrofitted Shock resistant clear synthetic material filter bowl enables easy checking of filter contamination Inlet pressure balancing - fluctuating inlet pressure does not influence outlet pressure Filter and complete filter bowl are replaceable The valve insert is of high quality synthetic material and can be fully exchanged Water Max. 16.0 bar with clear filter bowl Max. 25.0 with red-bronze filter bowl 1.5 - 6. 0 bar 4 2 10 5 r ba 6 bar 0 15 16 8 10 0 · · Construction The domestic water station comprises: · · · · EN0H-1101GE23 R0109 · Subject to change · · · · · Housing with inlet and outlet pressure gauges Check valve on inlet Test point for check valve Fine filter in clear filter bowl Ball valve with drain connection Spring bonnet with adjustment knob and setting scale Valve insert complete with diaphragm and valve seat Threaded or soldered union connections Shutoff valve Double ring wrench Dezincification resistant brass housing Brass shutoff valve and connectors High grade synthetic material check valve cartridge Stainless steel fine filter Red-bronze or shock-resistant, clear transparent synthetic material filter bowl High-quality synthetic material spring bonnet High-quality synthetic material valve insert Fibre-reinforced NBR diaphragm NBR seals · · · · · Range of Application Medium Inlet pressure Outlet pressure Materials The filter is constructed for drinking water installations. @@@@40 °C with clear filter bowl Max. 70 °C with red-bronze filter bowl Operating pressure Min. @@Water flows first through the check valve. @@@@These particles are then completely flushed out by reverse rinsing. @@@@Double Spin Technologie 305 327 130 130 493 493 353 353 97 97 7.6 8.9 DW-9321 AT 2318 Yes Yes Accessories Z11S For automatic filter cleaning at presettable intervals AF11S Filter insert complete Available with filter meshes 20 µm, 50 µm, 100 µm, 200 µm, 300 µm, 500 µm AF11DS Filter insert complete Available with filter meshes 20 µm, 50 µm, 100 µm, 200 µm, 300 µm, 500 µm (for filters with Double Spin Technology) AF11S Z11S AF11DS * The filter guide (either with double spin or without double spin feature) is included in the packaging of the replacement filter inserts (AF11DS and AF11S) only for the sizes 1/2" up to 1 1/4! 4 www.honeywell.com EN0H-1101GE23 R0109 · Subject to change Automatic reverse rinsing actuator HS10S Combination water supply unit Installation Example Installation Guidelines · · · Install in horizontal pipework with filter bowl downwards o This position ensures optimum filter efficiency Install shutoff valves Ensure good access o Pressure gauge can be read off easily o Degree of contamination can be easily seen with clear filter bowl o Simplifies maintenance and inspection The installation location should be protected against frost Fit immediately after water meter o Corresponds to DIN 1988, Part 2 Typical Applications Combination water supply units of this type can be fitted wherever check valves, filters, pressure reducing valves and water distributor units are required. They can also be used for commercial and industrial applications within the limits of their specifications. Combination water supply units of this type are installed: · · · · · To comply with standards and where space is limited, for example in modernisation of old buildings Where there is existing metal or plastics pipework For protection against noise when the static pressure at take off points exceeds 5.0 bar (DIN 4109) If the static pressure exceeds the maximum permissible operating pressure of an installation If pressure fluctuations in the downstream system must be avoided If the downstream system includes appliances which must be protected against dirt · · EN0H-1101GE23 R0109 · Subject to change Flow Diagram www.honeywell.com 5 HS10S Combination water supply unit Spare Parts 1 HS10S Filter Combinations (from 2007 onwards) No. Description Dimension 3 2" + 1/4" 1/ " 1" + 1 4 11/2" + 2" 1/ Part No. @ @.



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