

Pressurisation and degassing automats

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Pressurisation Automat HC 7, Auxiliary vessels

RG 65



Fig.: HC 7

Pressurisation Automat for fully automatic expansion, degasification through desorption, pressure maintenance and Top up of heating water. TÜV proofed function and quality, SVGW certification, CE mark of conformity. Olymp HC`s for all hot water heating units according to EN 12828, part 2 and VDI 2035 up to max. 100°C entry temperature.

Max. system output HC7 50-300: 2200kW at 30m static height.

Max. system output HC7 600: 4000kW at 30m static height.

**due to wall thickness no extra shell necessary. Shipping without shell.

Standard version	Exp. Volume [L]	Oper. pressure max. [bar]
HC 7 E	-	5
HC 7 50	50	5
HC 7 100	100	5
HC 7 200	200	5
HC 7 300	300	5
HC 7 600	600	5
HC 7 1000	1000	5
HC 7 2000	2000	5
HC 7 3000	3000	5
HC 7 4000	4000	5
HC 7 5000	5000	5
High Pressure version	Exp. Volume [L]	Oper. pressure max. [bar]
HC 7 200 HD	200	9,2
HC 7 300 HD	300	9,2
HC 7 600 HD	600	9,2
HC 7 1000 HD	1000	9,2
HC 7 2000 HD	2000	9,2
HC 7 3000 HD	3000	9,2

Auxiliary vessels for volume extension



Fig.: EB 200

connection fitting for auxiliary vessel

EB 200 expansion volume: 200 litre

EB 300 expansion volume: 300 litre

EB 600 expansion volume: 600 litre

EB 1000 expansion volume: 1000 litre

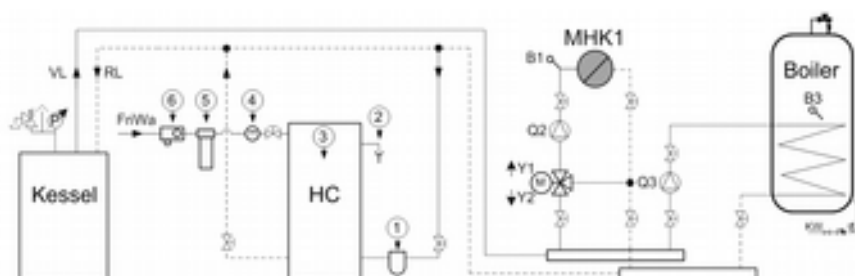
EB 2000 expansion volume: 2000 litre

EB 3000 expansion volume: 3000 litre

Installation scheme

Component overview

- 1 Dirt filter kit
- 2 Tundish
- 3 Disinfection LED Set
- 4 Water meter
- 5 Softener station
- 6 Safety fitting group



Pressurisation Automat Accessories

RG 65



Fig.: HZ605178

Tundish DN50 according to DVGW
 Tubing back feed tank HC7 200-600
 refrigerant tubing for HC7 50-100 with stainless steel hoses
 refrigerant tubing for HC7 200-300 with stainless steel hoses
 refrigerant tubing for HC7 200-300 with stainless steel hoses, tundish and pressure switch
 refrigerant tubing for HC7 600-5000 with stainless steel hoses
 refrigerant tubing for HC7 600-5000 with stainless steel hoses, tundish and pressure switch
 optional tundish kit 1" (HC7 200-300)
 optional tundish kit 6/4" (HC7 600-5000)
 optional pressure switch min
 optional fresh water relay K4 1/2" Ø3,5mm (HC7 50 - 100)
 optional fresh water relay K4 1/2" Ø12mm (HC7 200 - 600)
 optional fresh water relay K4 3/4" Ø18mm (HC7 1000 - 5000)



water meter
 with pulse output for all HC
 (including 2 pieces connection screw)
 Standard recommendation from 100 kW.



dirt filter kit
 stainless steel filter cartridge 0,05mm, 2 manometer, fill and drain valve, filter key

1" for HC 7 50-200

1 1/2" for HC 7 300

2" for HC 7 600-3000

For highly polluted system-water (especially old heating systems) a dirt filter has to be installed in the HC Autmoat flow.



The Olymp heating softener station for hardness/salt reducing (ion exchange principle) as well as filling/refilling of the heating system with treated water, pursuant to VDI 2035 sheet 1.
 Consisting of: manual water meter, blending device and shut-off ball valve.
 Pre-pressure: max. 4 bar, installation position: horizontal HT connection downwards, operating temperature max. 30°C, fill-up water temperature max. 50°C, ambient temperature max. 40°C.
 Connection thread inlet: 3/4" sleeve nut (3/4" external thread without screwing)
 Distance to center axis: 54mm
 Distance center axis to floor: 550mm
 Length incl. connection screwing: 266mm
 Kvs-value (rate of flow at Δ 1 bar): 0,45m³/h



The Olymp salt reducing cartridge has to be mounted into the heating softener station. For an effective salt reduction make sure that the blending device adjustment is 0.
 Capacity at 20°dH: 240 Litre
 Nominal pressure: 6 bar



Safety fitting group
 Incl. filling block, system separator, pressure reducer, shut-off ball valve.
 Required for the heating softener station!



Container disinfection LED Set
 Existing connection kit and LED lights disinfection

Pressurisation Automat

Table, technical Data

Type	Order no.	Expansion vol.	Oper. press. max.	Stat. height max.	weight	width	depth	height	Max.	Connection
		[l]	[bar]	[m]	[kg]	[mm]	[mm]	[mm]	kW	tube
HC 7 E	HC7SE	-	5	45	55	450	650	1200	-	3/4"
HC 7 50	HC7S0050	50	4,5	40	52	450	650	1200	500	3/4"
HC 7 100	HC7S0100	100	4,5	40	60	450	650	1600	500	3/4"
HC 7 200	HC7S0200	200	5	45	120	600	850	1910	2200	1"
HC 7 300	HC7S0300	300	5	45	135	600	850	1910	2200	1,5"
HC 7 600	HC7S0600	600	5	45	160	750	1000	1910	2200	2"
HC 7 1000	HC7S1000	1000	5	45	190	1000	1250	1910	2200	2"
HC 7 2000	HC7S2000	2000	5	45	340	1600	1750	1910	2200	2"
HC 7 3000	HC7S3000	3000	5	45	460	1800	1950	1910	2200	2"
HC 7 4000	HC7S4000	4000	5	45	550	2000	2250	1910	2200	2"
HC 7 5000	HC7S5000	5000	5	45	650	2200	2450	1910	2200	2"
HC 7 200HD	HC025S6	200	5 (9,2)	45 (87)	120	600	850	1910	4000	1"
HC 7 300HD	HC070S6	300	5 (9,2)	45 (87)	135	600	850	1910	4000	1,5"
HC 7 600HD	HC200S6	600	5 (9,2)	45 (87)	160	750	1000	1910	4000	2"
HC 7 1000 HD	HC1000S6	1000	5 (9,2)	45 (87)	190	1000	1250	1910	8000	2"
HC 7 2000 HD	HC2000S6	2000	5 (9,2)	45 (87)	340	1600	1750	1910	8000	2"
HC 7 3000 HD	HC3000S6	3000	5 (9,2)	45 (87)	460	1800	1950	1910	8000	2"
EB 200	EB200RG	200			50	600		1910		
EB 300	EB300RG	300			85	600		1910		
EB 600	EB600RG	600			90	750		1910		
EB 1000	EB1000RG	1000			120	1000		1910		
EB 2000	EB2000RG	2000			270	1600		1910		
EB 3000	EB3000RG	3000			390	1800		1910		

Pressurisation Automat

Table, technical Data

Type	Order no.	Expansion vol. [l]	Oper. press. max. [bar]	Stat. height max. [m]	weight [kg]	width [mm]	depth [mm]	height [mm]	Max. kW	Connection
HC 7 E	HC 7SE	-	5	45	55	450	650	1200	-	3/4"
HC 7 50	HC 7S050	50	4,5	40	52	450	650	1200	500	3/4"
HC 7 100	HC 7S100	100	4,5	40	60	450	650	1600	500	3/4"
HC 7 200	HC 7S200	200	5	45	120	600	850	1910	2200	1"
HC 7 300	HC 7S300	300	5	45	135	600	850	1910	2200	1,5"
HC 7 600	HC 7S0600	600	5	45	160	750	1000	1910	2200	2"
HC 7 1000	HC 7S1000	1000	5	45	190	1000	1250	1910	2200	2"
HC 7 2000	HC 7S2000	2000	5	45	340	1600	1750	1910	2200	2"
HC 7 3000	HC 7S3000	3000	5	45	460	1800	1950	1910	2200	2"
HC 7 4000	HC 7S4000	4000	5	45	550	2000	2250	1910	2200	2"
HC 7 5000	HC 7S5000	5000	5	45	650	2200	2450	1910	2200	2"
HC 7 200 HD	HC 025S6	200	5 (9,2)	45 (87)	120	600	850	1910	4000	1"
HC 7 300 HD	HC 030S6	300	5 (9,2)	45 (87)	135	600	850	1910	4000	1,5"
HC 7 600 HD	HC 200S6	600	5 (9,2)	45 (87)	160	750	1000	1910	4000	2"
HC 7 1000 HD	HC 1000S6	1000	5 (9,2)	45 (87)	190	1000	1250	1910	9000	2"
HC 7 2000 HD	HC 2000S6	2000	5 (9,2)	45 (87)	340	1600	1750	1910	9000	2"
HC 7 3000 HD	HC 3000S6	3000	5 (9,2)	45 (87)	460	1800	1950	1910	9000	2"
EB 200	EB200RG	200			50	600		1910		
EB 300	EB300RG	300			85	600		1910		
EB 600	EB600RG	600			90	750		1910		
EB 1000	EB1000RG	1000			120	1000		1910		
EB 2000	EB2000RG	2000			270	1600		1910		
EB 3000	EB3000RG	3000			390	1800		1910		