

**Hoval calorifier**

**MultiVal CRR (500-1000)**

- Calorifier made of stainless steel
- Thermal insulation made of polyester fleece with patented aluminium sealing bracket. Outer casing made of polypropylene, red coloured
  - (500,800) 2-part
  - (1000) 3-part
- MultiVal CRR (500)
  - 1½" sleeve for the installation of a screw-in electric heating element
- MultiVal CRR (800,1000)
  - Flange above as additional cleaning flange (Swiss SVGW regulation) or for the installation of a flange-mounted electric heating element
  - Flange below as cleaning flange or for installation of a flange-mounted electric heating element
- With thermometer
- With immersion sleeve
- Two terminal strips for contact sensors
- 2 flat section coils made of stainless steel, built in
  - below for the alternative use as flat register at (800,1000)
  - above for supplemental heating with oil, gas or wood boiler
- Connection cable for equipotential bonding, permanently mounted
- Observe limit values for chloride content in domestic water - see "Engineering".

*Delivery*

- Calorifier and thermal insulation completely installed (can be removed for installation)

*On request*

- Screw-in electric heating element
- Flange-mounted electric heating element for upper flange
- Flange cover with sleeve to the lower flange for the installation of a screw-in electric heating element
- Correx® impressed current anode set

**Screw-in electric heating element**

**Type EP 2.5 to EP 5**

- Made of Incoloy® alloy 825
- Heat input 2.35 to 4.9 kW
- Incl. temperature control and safety temperature limiter
- Connection:
  - EP 2.5: 3 x 400 V (1 x 230 V)
  - EP 3.5 and EP 5: 3 x 400 V
- Not suitable for exclusively electric heating

*Delivery*

- Delivered separately packed

*On site*

- Installation of the electric heating element



MultiVal CRR (500)

MultiVal CRR (1000)

**Range**

MultiVal type	
CRR	(500)
CRR	(800)
CRR	(1000)

**Flange-mounted electric heating elements**

**Type EFHK-C 4 to EFHK-C 9**

- Made of Incoloy® alloy 825
- Heat output 4.0 to 9.0 kW, according to the regulation of the current supplier
- With temperature regulation and safety temperature limiter
- Connection 3 x 400 V
- Not suitable for exclusively electric heating

*Delivery*

- Delivered separately packed

*On site*

Mounting of thermal insulation

Calorifier



**MultiVal CRR (500-1000)**

With integrated flat section coils made of stainless steel.  
MultiVal CRR (500-1000) thermal insulation fully installed.

MultiVal CRR type	Volume dm <sup>3</sup>	Heating surface m <sup>2</sup>	
		top	bottom
(500)	544	1.28	1.70
(800)	818	1.28	2.63
(1000)	1042	1.28	2.63

**Notice**

The connections must only be designed in stainless steel; if not, suitable isolating or bridging connectors (or MEPLA pipe transition pieces) must be used. When using insulating or bridging connectors (galvanic isolation), the earth cable attached to the calorifier must not be connected. When using galvanised circulation pipes, a backwash filter must be installed.

**Electric heating elements**

see chapter "Electric heating elements"

Part No.

7014 794  
7014 795  
7014 796

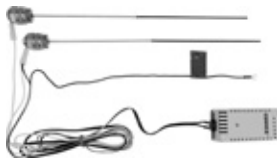
Accessories



**Kit Correx® impressed current anode UP1.9-924-L395/1**

for long-term corrosion protection for installation in the stainless steel calorifier  
with reduction R 1½" - Rp ¾"  
Installation length: 395 mm  
Connection cable length: 1 x 3500 mm  
1 Correx® impressed current anode (up to 800 l)

6031 813



**Kit Correx® impressed current anode UP1.9-924-L395/2**

for long-term corrosion protection for installation in the stainless steel calorifier  
Installation length: 395 mm  
Connection cable length: 2 x 2000 mm  
2 Correx® impressed current anodes (from 1000 l)

6052 439

Part No.



**Immersion sensor TF/2P/5/6T, L = 5.0 m with plug**  
 for TopTronic® E controller modules/  
 module expansions with exception of  
 basic module district heating/fresh  
 water or basic module district heating com  
 cable length: 5 m with plug  
 sensor sleeve diameter: 6 x 50 mm  
 dewpoint-proof  
 operating temperature: -20...105 °C  
 protection class: IP67

2056 788



**Immersion sensor TF/2P/5/6T, L = 5.0 m**  
 for TopTronic® E controller modules/  
 module expansions with exception of  
 basic module district heating/fresh  
 water or basic module district  
 heating com,  
 cable length: 5 m without plug  
 sensor sleeve diameter: 6 x 50 mm,  
 dewpoint-proof,  
 operating temperature: -20...105 °C,  
 protection class: IP67

2055 888



**Immersion sensor TF/12N/2.5/6T, L = 2.5 m**  
 for gas boiler with RS-OT  
 Cable length: 2.5 m  
 Sensor sleeve diameter: 6 x 50 mm,  
 dewpoint-proof,  
 operating temperature: -20...105 °C,  
 protection class: IP67

2056 791

At TopTronic® E, immersion sensor is included in the boiler controller or in the heating controller set.



**Calorifier thermostat control TW 12**  
 Universal thermostat controller  
 for thermostatic pump charge  
 demand, setting in  
 casing, visible from outside.  
 15-95 °C, switching difference 6 K,  
 capillar length 700 mm  
 incl. fastening material for  
 Hoval calorifier, can be used with  
 integrated immersion sleeve

6010 080

**Thermal water mixer**  
 see "Various system components"

Services



**Commissioning**  
 Commissioning by works service or Hoval  
 trained authorised serviceman/company is  
 condition for warranty.

For commissioning and other services  
 please contact your Hoval sales office.

## MultiVal CRR (500-1000)

Type		(500)	(800)	(1000)
• Contenance	dm <sup>3</sup>	544	818	1042
• Contenance (registre de chauffage supérieur)	dm <sup>3</sup>	220	345	405
• Pression de service/Pression d'essai SSIGE	bar	6/12	6/12	6/12
• Température de service maximale	°C	95	95	95
• Isolation thermique en fibres polyester	mm	120	100	100
• Isolation thermique $\lambda$	W/mK	0.035	0.035	0.035
• Classement au feu		B2	B2	B2
• Perte de maintien d'eau chaude à 65 °C	W	80	136	142
• Poids de transport	kg	145	205	219
• Valeur U	W/m <sup>2</sup> K	0.259	0.437	0.360
<b>Registre de chauffage inférieur (monté à demeure)</b>				
• Surface de chauffe	m <sup>2</sup>	1.70	2.63	2.63
• Eau de chauffage	dm <sup>3</sup>	5.10	7.40	7.40
• Perte de charge <sup>1)</sup> d'eau	coeff. z	15.50	24.00	24.00
• Perte de charge <sup>1)</sup> d'eau/glycol 50 %	coeff. z	20.93	32.40	32.40
• Pression de service/Pression d'essai SSIGE	bar	3/6	3/6	3/6
• Température de service maximale	°C	95	95	95
• Pour capteurs plans <sup>2)</sup> jusqu'à	m <sup>2</sup>	8	12	16
<b>Registre de chauffage supérieur (monté à demeure)</b>				
• Surface de chauffe	m <sup>2</sup>	1.28	1.28	1.28
• Eau de chauffage	dm <sup>3</sup>	4.10	4.10	4.10
• Perte de charge <sup>1)</sup>	coeff. z	11.65	11.65	11.65
• Pression de service/Pression d'essai SSIGE	bar	3/6	3/6	3/6
• Température de service maximale	°C	95	95	95
• Dimensions		voir Dimensions		

<sup>1)</sup> Perte de charge registre de chauffage en mbar = débit volumique (m<sup>3</sup>/h)<sup>2</sup> x z (1 mbar = 0.1 kPa)

<sup>2)</sup> Surface des capteurs. Rapportée à la surface de chauffe de l'échangeur de chaleur.

**Performance figure**

Selection of the storage tank type at a hot water temperature of 45 °C

**Reading example**  
see engineering

T >	Comfort <sup>1)</sup>			Standard <sup>2)</sup>		
	60 °C	70 °C	80 °C	60 °C	70 °C	80 °C
NL v						
1						
2						
3						
4						
5						
6						
7				500		
8	500					
9						
10		500			500	
11						
12						
13	800		500			
14	1000					500
15				800		
16		800				
17				1000		
18		1000				
19					800	
20						
21						
22			800		1000	
23						
24			1000			
25						
26						
27						
28						800
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42						
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45						
46						
47						
48						
49						
50						

T >	Comfort <sup>1)</sup>			Standard <sup>2)</sup>		
	60 °C	70 °C	80 °C	60 °C	70 °C	80 °C
NL v						
51						
52						
53						
54						
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100						
> 100						

T = heating flow

NL = performance figure

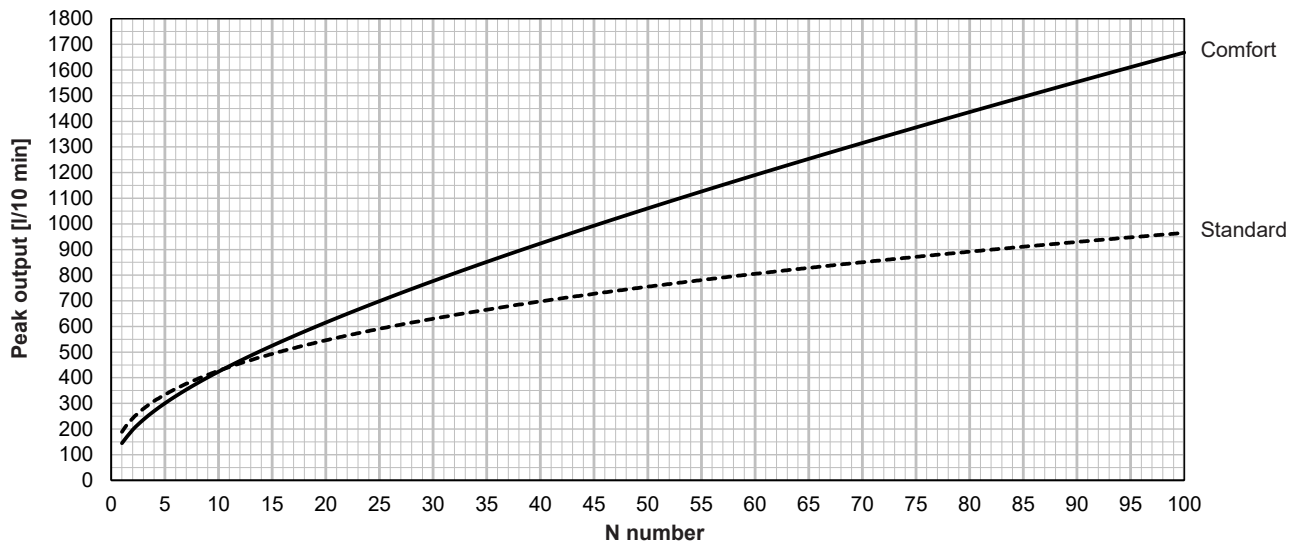
and permanently reheated with the heat generator (standard flat: 1 bathroom - 4 rooms - 3.5 persons)

<sup>1)</sup> Calculation with simultaneity factor according to DIN 4708 (preferred for Switzerland)

<sup>2)</sup> Calculation with simultaneity factor according to Dresden Technical University

**10 min peak output/N number with domestic hot water 45 °C**  
 according to DIN 4708 (Comfort) and Dresden Technical University (Standard)

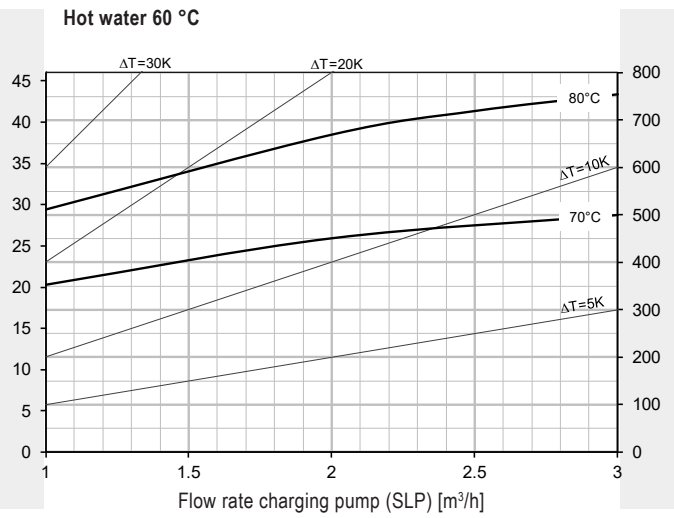
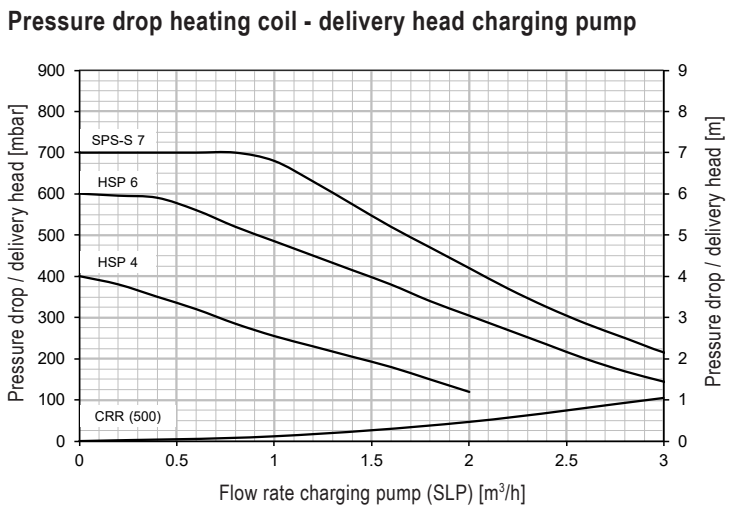
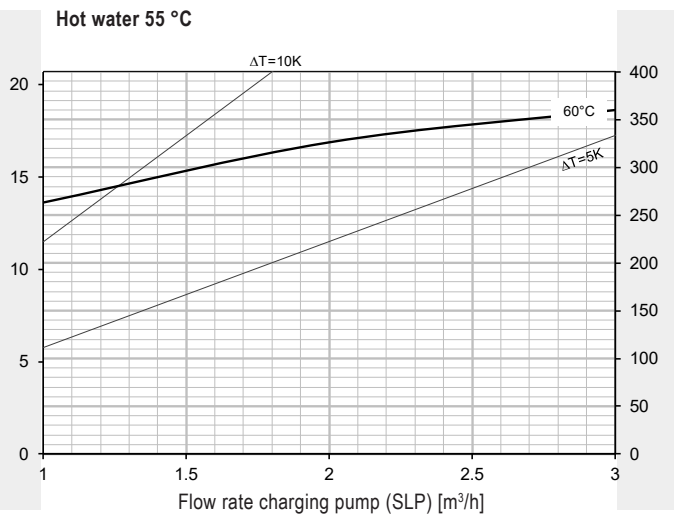
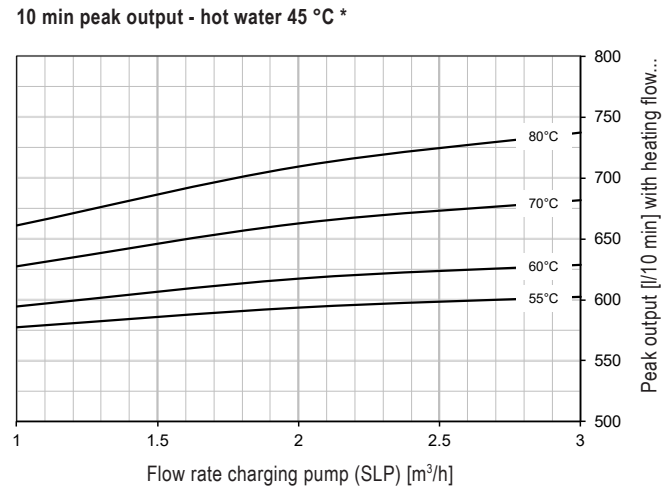
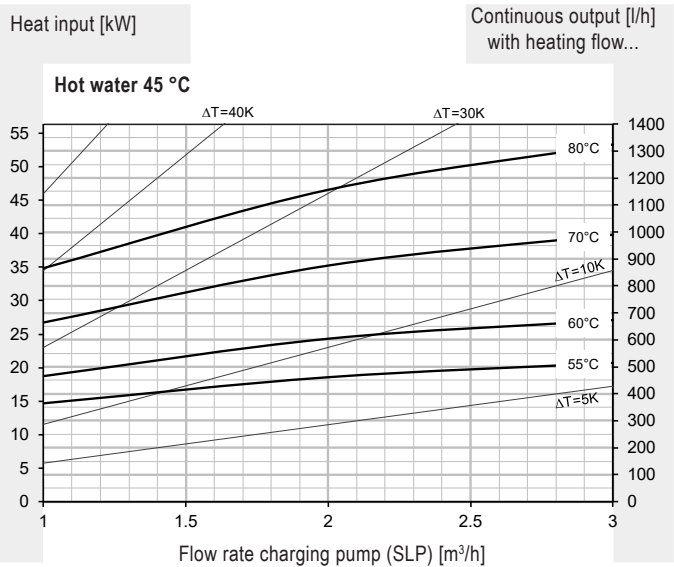
**Reading example**  
 see Engineering



MultiVal CRR (500)

Hot water output  
Continuous output

Reading example  
see engineering

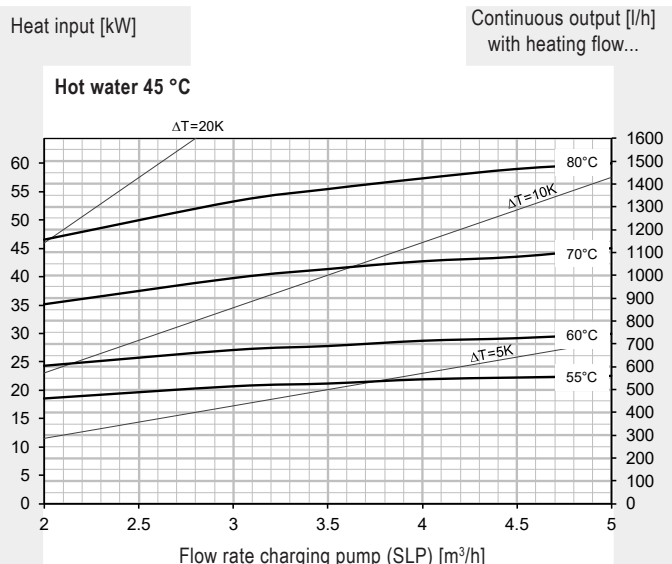


\* Calorifier heated to 60 °C

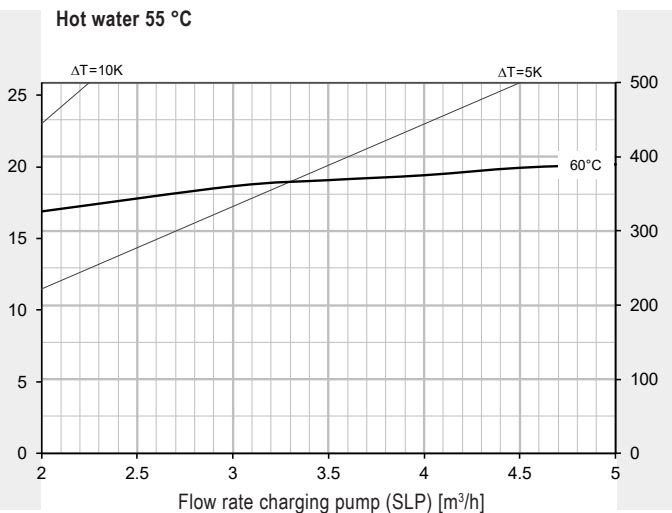
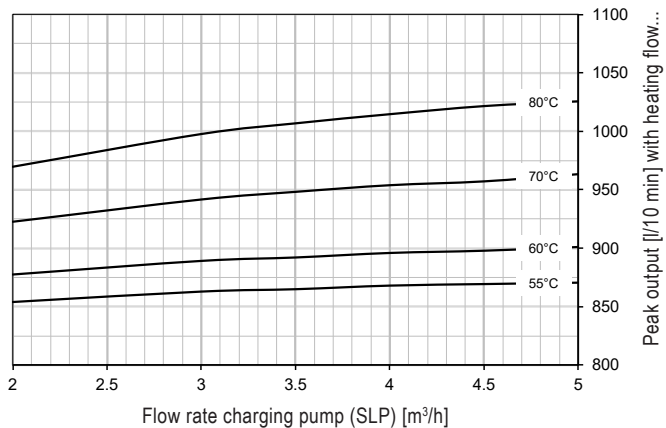
MultiVal CRR (800)

Hot water output  
Continuous output

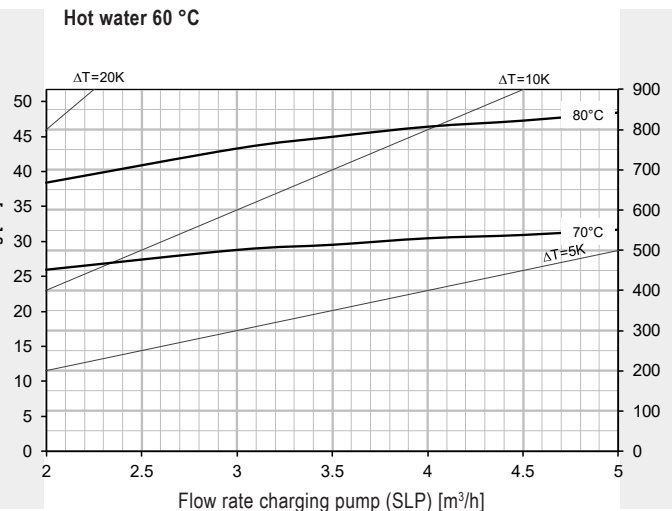
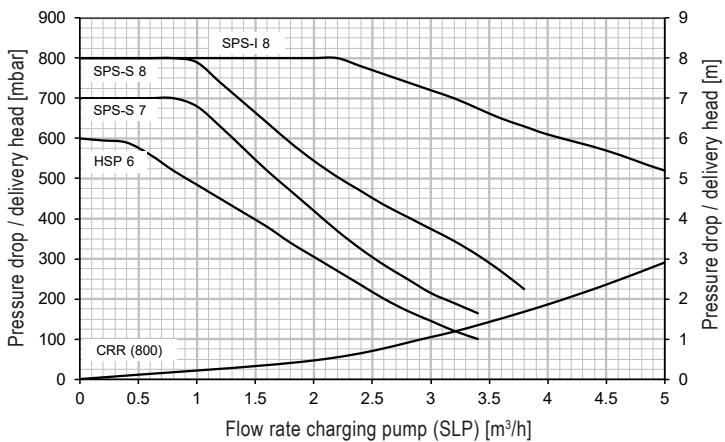
Reading example  
see engineering



10 min peak output - hot water 45 °C \*



Pressure drop heating coil - delivery head charging pump



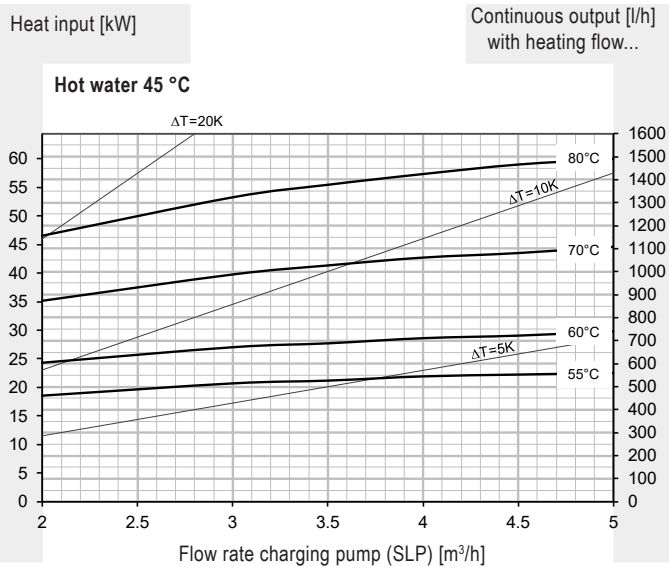
\* Calorifier heated to 60 °C



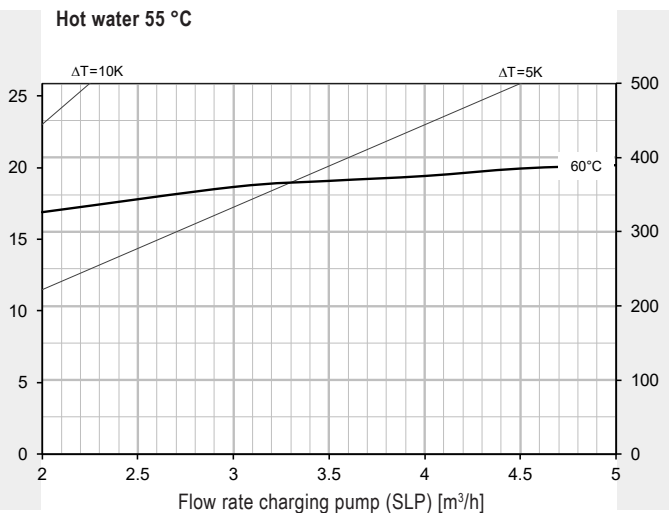
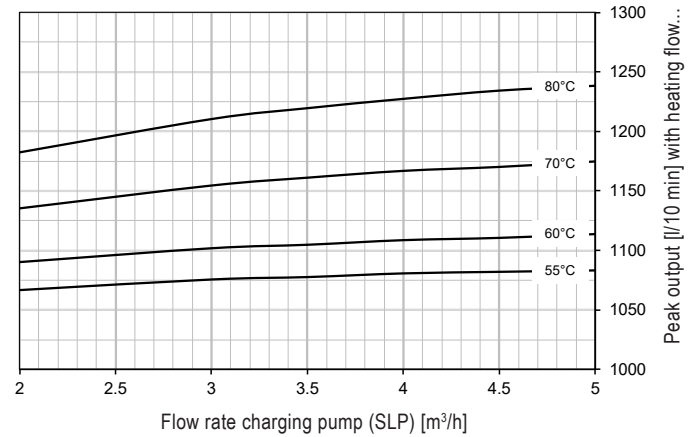
MultiVal CRR (1000)

Hot water output  
Continuous output

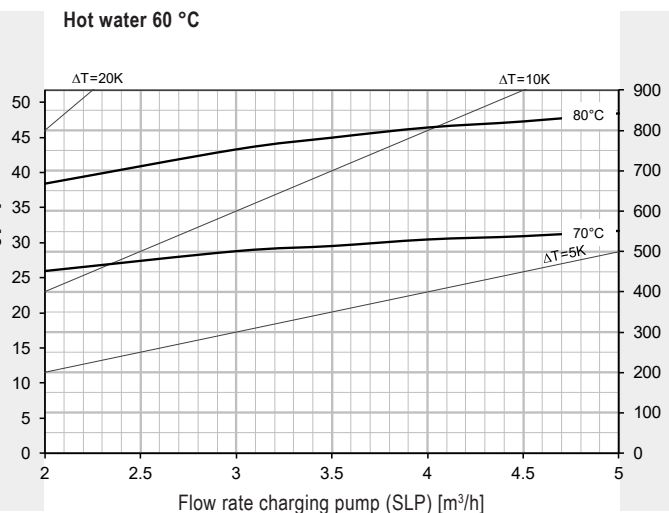
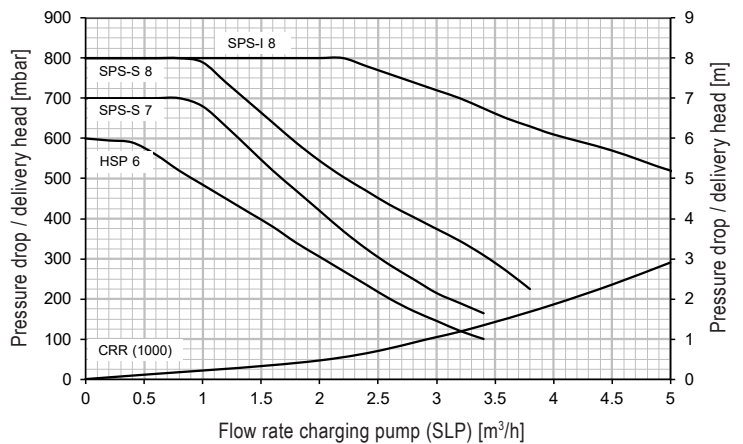
Reading example  
see engineering



10 min peak output - hot water 45 °C \*



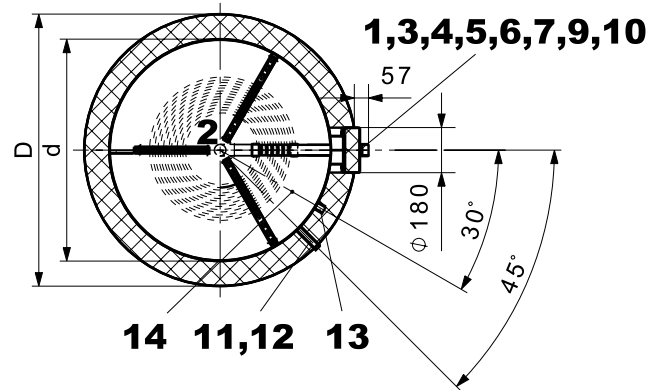
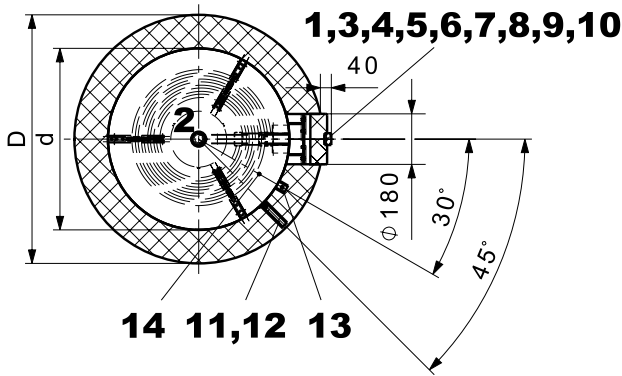
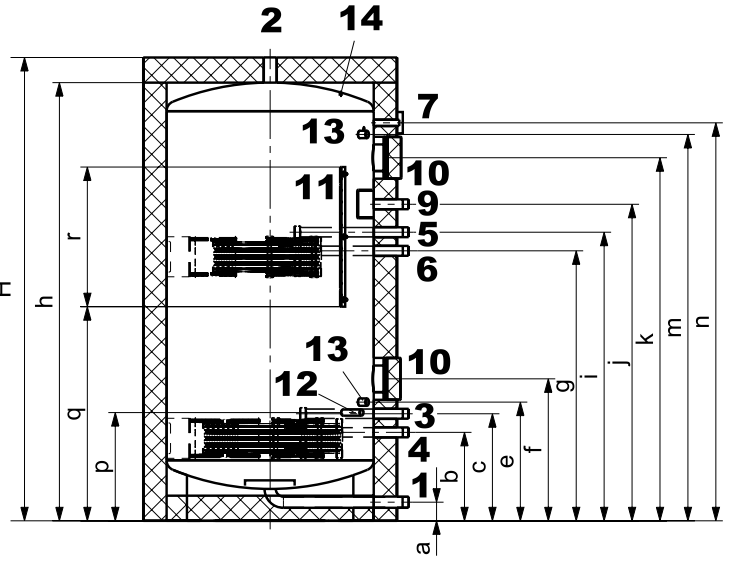
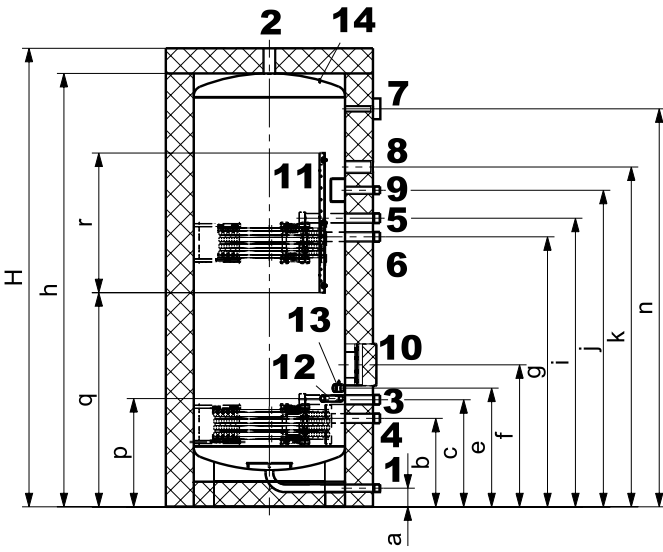
Pressure drop heating coil - delivery head charging pump



\* Calorifier heated to 60 °C

**MultiVal CRR (500)**  
(Dimensions in mm)

**MultiVal CRR (800,1000)**



- 1 Cold water  
type (500) G 1" (ET)  
type (800,1000) G 1½" (ET)
- 2 Hot water Rp 1½" (IT)
- 3 Flow solar circuit G 1¼" (ET)
- 4 Return solar circuit G 1¼" (ET)
- 5 Flow re-heating G 1¼" (ET)
- 6 Return re-heating G 1¼" (ET)
- 7 Sleeve with mounted immersion sleeve and thermometer Rp ½" (IT)  
(immersion sleeve: L = 200, inner Ø = 8 mm)
- 8 Connection for screw-in electric heating element Rp 1½" (IT)
- 9 Circulation type (500) G 1" (ET)  
type (800,1000) G 1¼" (ET)

- 10 Hand-hole flange (flange-mounted electric heating element) Ø 180/110 mm, pitch circle Ø 150 mm, 8 x M10
- 11 Sensor terminal bar 600 x 30 mm
- 12 Sleeve with mounted immersion sleeve for sensor, thermostat Rp ½" (IT)  
(immersion sleeve: L = 200, inner Ø = 8 mm)
- 13 Sleeve with grounding bolt for impressed current anode (perforated thermal insulation) type (500) Rp ¼" (IT) 1 x  
type (1000) 2 x
- Attention: observe the installation length
- 14 Equipotential bonding

Deviations possible as a result of manufacturing tolerances.  
Dimensions +/- 10 mm

MultiVal type	D	d	H	h	a	b	c	e	f	g	i	j	k	m	n	p	q	r	Tilting dimension
CRR (500)	890	650	1970	1862	80	380	460	510	610	1160	1240	1360	1460	-	1710	465	950	540	2162
CRR (800)	990	790	1991	1883	80	380	460	510	610	1160	1240	1360	1560	-	1710	465	950	540	2224
CRR (1000)	1090	890	1991	1883	80	380	460	510	610	1160	1240	1360	1560	1660	1710	465	950	540	2270

**HoVal calorifier**

**MultiVal CSRR (500-2000)**

- Calorifier made of stainless steel
- Thermal insulation made of polyester fleece with patented aluminium sealing bracket. Outer casing made of polypropylene, red coloured
  - (500,800) 2-part
  - (1000-2000) 3-part
- MultiVal CSRR (500)
  - 1 ½" sleeve for the installation of a screw-in electric heating element
- MultiVal CSRR (800-2000)
  - Flange above as additional cleaning flange (Swiss SVGW regulation) or for the installation of a flange-mounted electric heating element or of a screw-in electric heating element by means of flange cover with 1 ½" sleeve
  - Flange below as cleaning flange or for the installation of a flange-mounted electric heating element or of a screw-in electric heating element by means of flange cover with 1 ½" sleeve
- Distributor bar for parallel connection of the coils
- With thermometer
- Terminal bar for contact sensor
- With immersion sleeve
- 2 flat section coils made of stainless steel, built in
  - at the bottom: flat section coil for solar use
  - at the top: flat section coil for heating with heat pumps
- Connection cable for equipotential bonding, permanently mounted
- Observe limit values for chloride content in domestic water - see "Engineering".

*Delivery*

- MultiVal CSRR (500-1000)
  - Calorifier and thermal insulation completely installed (can be removed for installation), distributor bar delivered in separate packaging
- MultiVal CSRR (1500-2000)
  - Calorifier, thermal insulation and distributor bar delivered in separate packaging

*On request*

- Screw-in electric heating element
- Flange cover with sleeve for flange below with sleeve to flange below for the installation of a screw-in electric heating element
- Correx® impressed current anode set

*On site*

- MultiVal CSRR (1500-2000)
  - Installation of the thermal insulation, distributor bar



MultiVal CSRR (500)

MultiVal CSRR (1000)

**Range**

MultiVal type	
CSRR	(500)
CSRR	(800)
CSRR	(1000)
CSRR	(1500)
CSRR	(2000)

**Screw-in electric heating element**

**Type EP 2.5 to EP 5**

- Made of Incoloy® alloy 825
- Heat input 2.35 to 4.9 kW
- Including temperature control and safety temperature limiter
- Connection:
  - EP 2.5: 3 x 400 V (1 x 230 V)
  - EP 3.5 and EP 5: 3 x 400 V
- Not suitable for exclusively electric heating

*Delivery*

- Delivered separately packed

*On site*

- Installation of the electric heating element

**Flange-mounted electric heating elements**

**Type EFHK-C 4 to EFHK-C 9**

- Made of Incoloy® alloy 825
- Heat output 4.0 to 9.0 kW, according to the rules of the current supplier
- With temperature regulation and safety temperature limiter
- Connection 3 x 400 V
- Not suitable for exclusively electric heating

*Delivery*

- Delivered separately packed

*On site*

- Mounting of thermal insulation

Calorifier



**MultiVal CSRR (500-2000)**

With 2 integrated flat section coils made of stainless steel, incl. distributor bar for parallel connection of the coils (separately packed) MultiVal CSRR (540-1000) fully mounted. MultiVal CSRR (1500-2000) calorifier and thermal insulation delivered separately packed.

MultiVal CSRR type	Volume dm <sup>3</sup>	Heating surface m <sup>2</sup>	
		top	bottom
(500)	544	5.20	1.70
(800)	818	7.40	2.63
(1000)	1042	10.00	2.63
(1500)	1625	11.30	5.00
(2000)	1958	11.30	5.00

**Notice**

The connections must only be designed in stainless steel; if not, suitable isolating or bridging connectors (or MEPLA pipe transition pieces) must be used.

When using insulating or bridging connectors (galvanic isolation), the earth cable attached to the calorifier must not be connected. When using galvanised circulation pipes, a backwash filter must be installed.

**Electric heating elements**

see chapter "Electric heating elements"

Part No.

7016 768  
7016 769  
7016 770  
7016 771  
7016 772

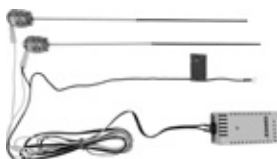
Accessories



**Kit Correx® impressed current anode UP1.9-924-L395/1**

for long-term corrosion protection for installation in the stainless steel calorifier with reduction R 1½" - Rp ¾" Installation length: 395 mm Connection cable length: 1 x 3500 mm 1 Correx® impressed current anode (up to 800 l)

6031 813



**Kit Correx® impressed current anode UP1.9-924-L395/2**

for long-term corrosion protection for installation in the stainless steel calorifier Installation length: 395 mm Connection cable length: 2 x 2000 mm 2 Correx® impressed current anodes (from 1000 l)

6052 439

Part No.



**Immersion sensor TF/2P/5/6T,  
L = 5.0 m with plug**  
for TopTronic® E controller modules/  
module expansions with exception of  
basic module district heating/fresh  
water or basic module district heating com  
cable length: 5 m with plug  
sensor sleeve diameter: 6 x 50 mm  
dewpoint-proof  
operating temperature: -20...105 °C  
protection class: IP67

2056 788



**Immersion sensor TF/2P/5/6T, L = 5.0 m**  
for TopTronic® E controller modules/  
module expansions with exception of  
basic module district heating/fresh  
water or basic module district  
heating com,  
cable length: 5 m without plug  
sensor sleeve diameter: 6 x 50 mm,  
dewpoint-proof,  
operating temperature: -20...105 °C,  
protection class: IP67

2055 888



**Immersion sensor TF/12N/2.5/6T,  
L = 2.5 m**  
for gas boiler with RS-OT  
Cable length: 2.5 m  
Sensor sleeve diameter: 6 x 50 mm,  
dewpoint-proof,  
operating temperature: -20...105 °C,  
protection class: IP67

2056 791

At TopTronic® E, immersion sensor is included in the boiler controller or in the heating controller set.



**Calorifier thermostat control  
TW 12**  
Universal thermostat controller  
for thermostatic pump charge  
demand, setting in  
casing, visible from outside.  
15-95 °C, switching difference 6 K,  
capillar length 700 mm  
incl. fastening material for  
Hoval calorifier, can be used with  
integrated immersion sleeve

6010 080

**Thermal water mixer**  
see "Various system components"

Services



**Commissioning**  
Commissioning by works service or Hoval  
trained authorised serviceman/company is  
condition for warranty.

For commissioning and other services  
please contact your Hoval sales office.

**MultiVal CSRR (500-2000)**

Type		(500)	(800)	(1000)	(1500)	(2000)
• Contenance	dm <sup>3</sup>	544	818	1042	1625	1958
• Contenance (registre de chauffage supérieur)	dm <sup>3</sup>	375	530	650	1023	1368
• Pression de service/Pression d'essai SSIGE	bar	6/12	6/12	6/12	6/12	6/12
• Température de service maximale	°C	95	95	95	95	95
• Isolation thermique en fibres polyester	mm	120	100	100	120	120
• Isolation thermique λ	W/mK	0.035	0.035	0.035	0.035	0.035
• Classement au feu		B2	B2	B2	B2	B2
• Perte de maintien d'eau chaude à 65 °C	W	80	136	142	176	180
• Poids de transport	kg	176	257	303	501	529
• Valeur U	W/m <sup>2</sup> K	0.259	0.390	0.360	0.338	0.315
<b>Registre de chauffage inférieur (monté à demeure)</b>						
• Surface de chauffe	m <sup>2</sup>	1.70	2.63	2.63	5.00	5.00
• Eau de chauffage	dm <sup>3</sup>	5.30	7.40	7.40	13.60	13.60
• Perte de charge <sup>1)</sup> d'eau	coeff. z	15.50	24.00	24.00	45.25	45.25
• Perte de charge <sup>1)</sup> d'eau/glycol 50 %	coeff. z	20.93	32.40	32.40	61.09	61.09
• Pression de service/Pression d'essai SSIGE	bar	3/6	3/6	3/6	3/6	3/6
• Température de service maximale	°C	95	95	95	95	95
• Pour capteurs plans <sup>2)</sup> jusqu'à	m <sup>2</sup>	12	18	18	36	36
<b>Registre de chauffage supérieur (monté à demeure)</b>						
• Surface de chauffe	m <sup>2</sup>	5.20	7.40	10.00	11.30	11.30
• Eau de chauffage	dm <sup>3</sup>	13.60	19.00	25.30	28.40	28.40
• Perte de charge <sup>1)</sup>	coeff. z	3.84	5.44	7.24	8.24	8.24
• Pression de service/Pression d'essai SSIGE	bar	3/6	3/6	3/6	3/6	3/6
• Température de service maximale	°C	95	95	95	95	95
• Dimensions		voir Dimensions				

<sup>1)</sup> Perte de charge registre de chauffage en mbar = débit volumique (m<sup>3</sup>/h)<sup>2</sup> x z (1 mbar = 0.1 kPa)

<sup>2)</sup> Surface des capteurs. Rapportée à la surface de chauffe de l'échangeur de chaleur.

**Performance figure**

Selection of the storage tank type at a hot water temperature of 45 °C

**Reading example**  
see engineering

T >	Comfort <sup>1)</sup>			Standard <sup>2)</sup>		
	60 °C	70 °C	80 °C	60 °C	70 °C	80 °C
NL v						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18	500					
19						
20						
21						
22						
23				500		
24						
25		500				
26						
27						
28						
29						
30						
31						
32						
33			500			
34						
35						
36						
37						
38	800					
39						
40						
41					500	
42						
43						
44						
45						
46						
47						
48						
49						
50						

T >	Comfort <sup>1)</sup>			Standard <sup>2)</sup>		
	60 °C	70 °C	80 °C	60 °C	70 °C	80 °C
NL v						
51						
52		800				500
53	1000					
54						
55						
56						
57						
58						
59						
60				800		
61						
62						
63						
64						
65						
66						
67						
68			800			
69						
70						
71		1000				
72						
73						
74						
75						
76						
77	1500					
78						
79						
80				1000		
81	2000					
82						
83						
84					800	
85						
86						
87						
88						
89						
90			1000			
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						
> 100		1500	1500	1500	1000	800
		2000	2000	2000	1500	1000
					2000	1500
						2000

T = Heating flow

NL = Performance figure

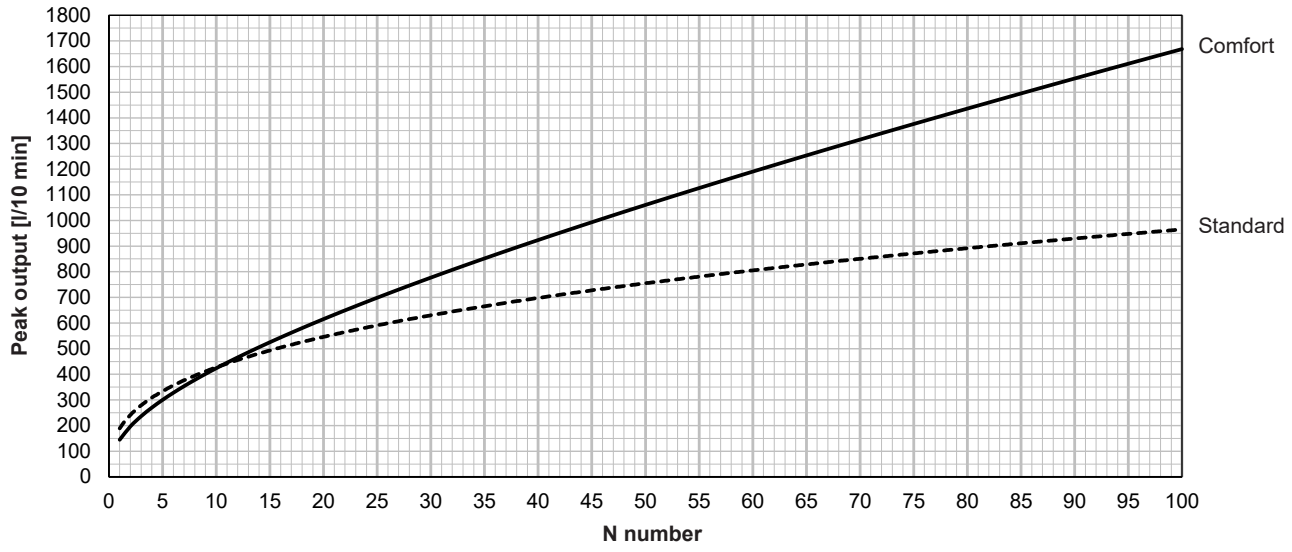
Performance figure NL acc. to DIN 4708 = number of flats which can be supplied with domestic hot water when the calorifier is heated and permanently reheated with the heat generator (standard flat: 1 bathroom - 4 rooms - 3.5 persons)

<sup>1)</sup> Calculation with simultaneity factor according to DIN 4708 (preferred for Switzerland)

<sup>2)</sup> Calculation with simultaneity factor according to Dresden Technical University

**10 min peak output/N number with domestic hot water 45 °C**  
 according to DIN 4708 (Comfort) and Dresden Technical University (Standard)

**Reading example**  
 see Engineering

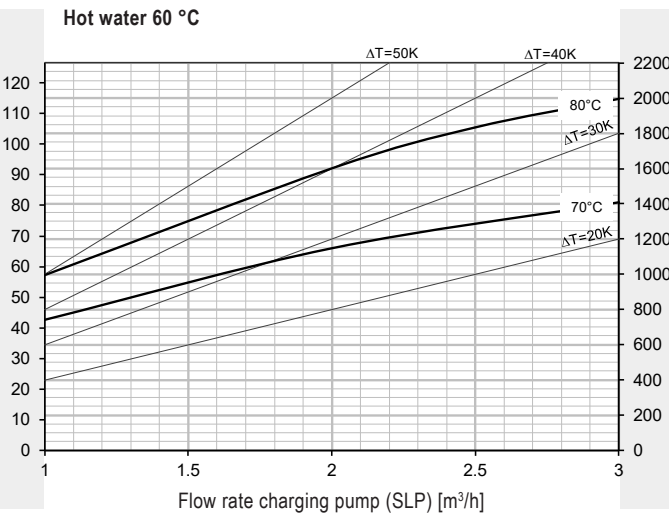
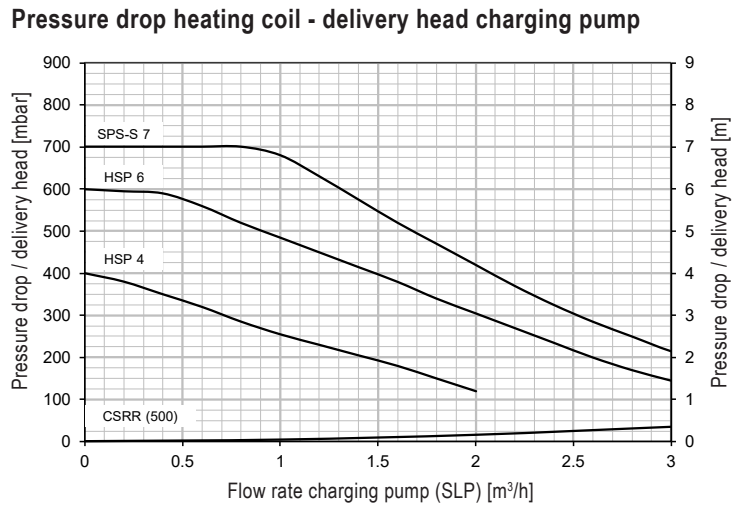
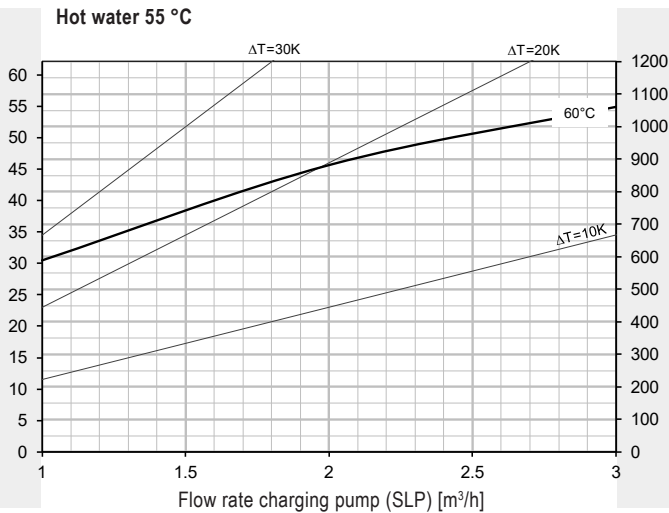
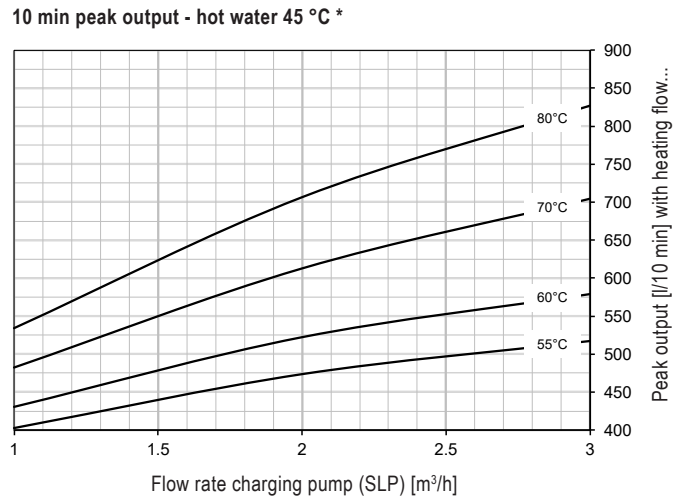
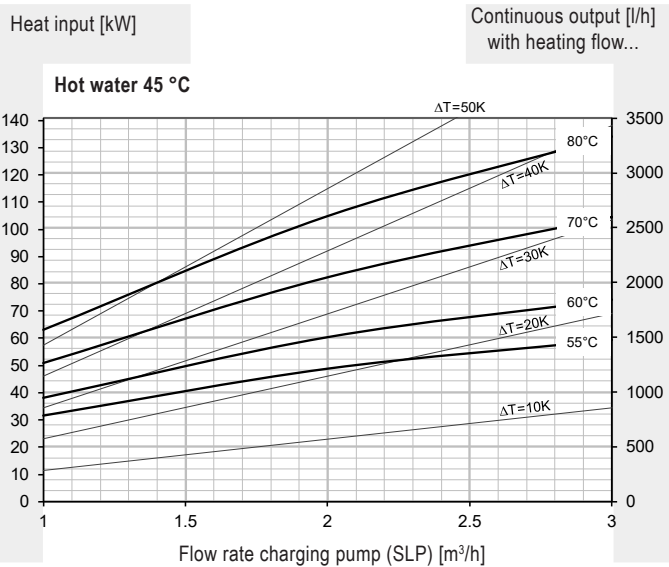




MultiVal CSRR (500)

Hot water output  
Continuous output

Reading example  
see engineering

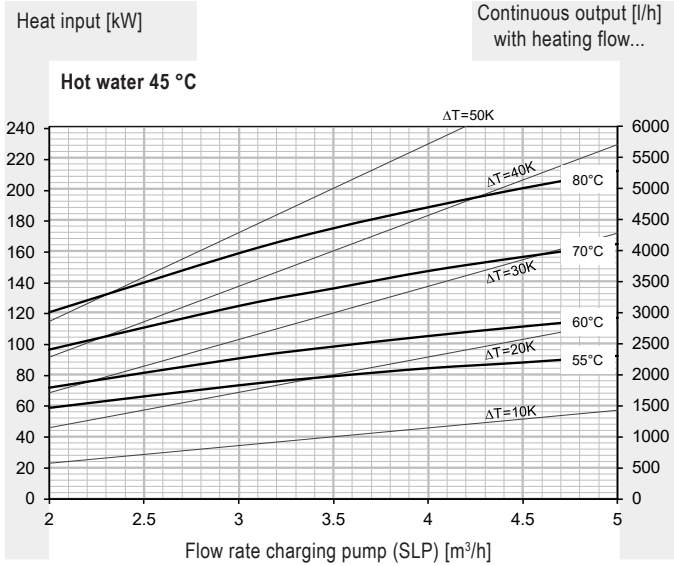


\* Calorifier heated to 60 °C

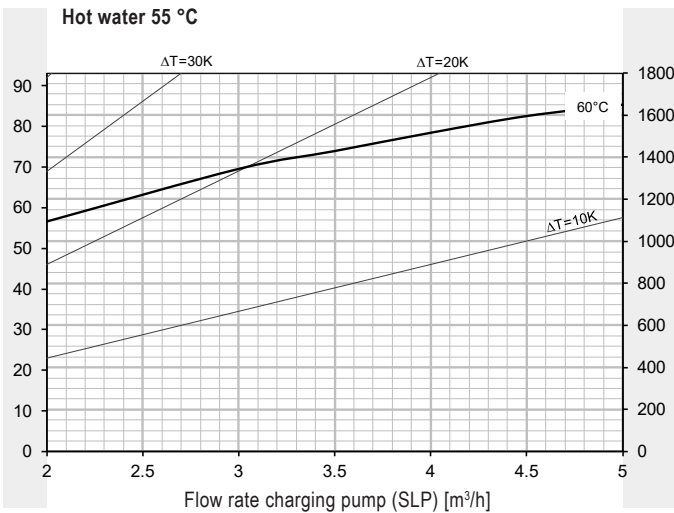
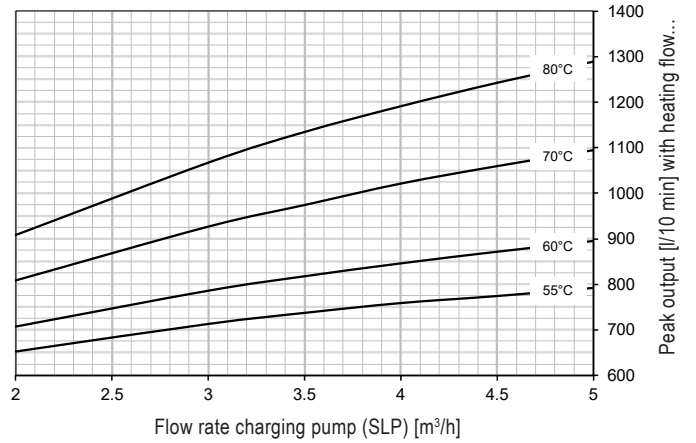
MultiVal CSRR (800)

Hot water output  
Continuous output

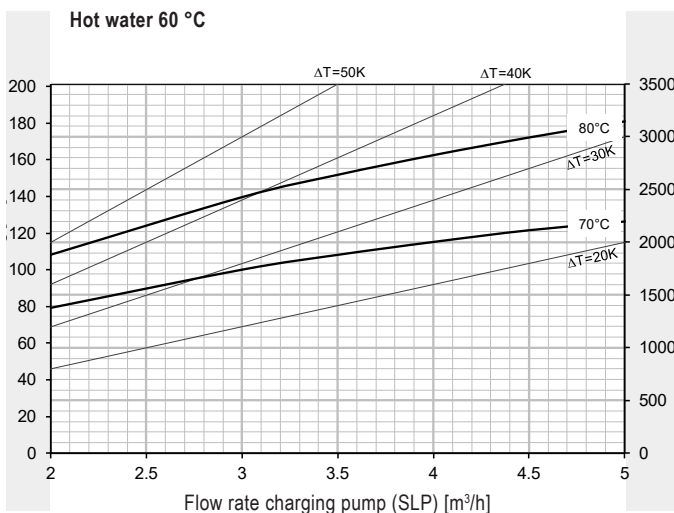
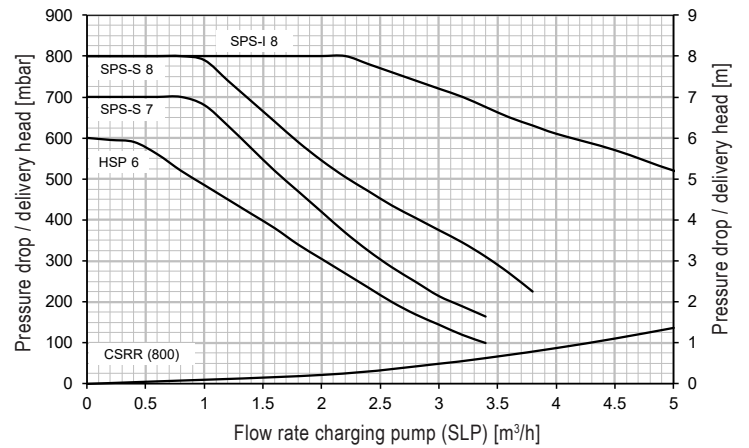
Reading example  
see engineering



10 min peak output - hot water 45 °C \*



Pressure drop heating coil - delivery head charging pump

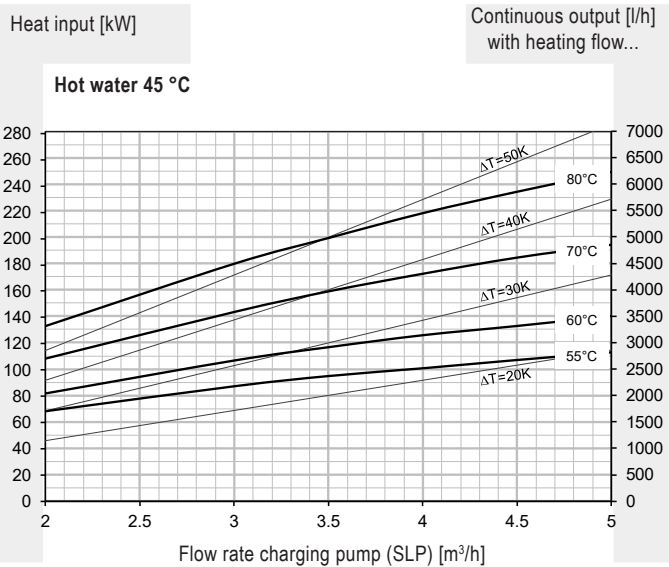


\* Calorifier heated to 60 °C

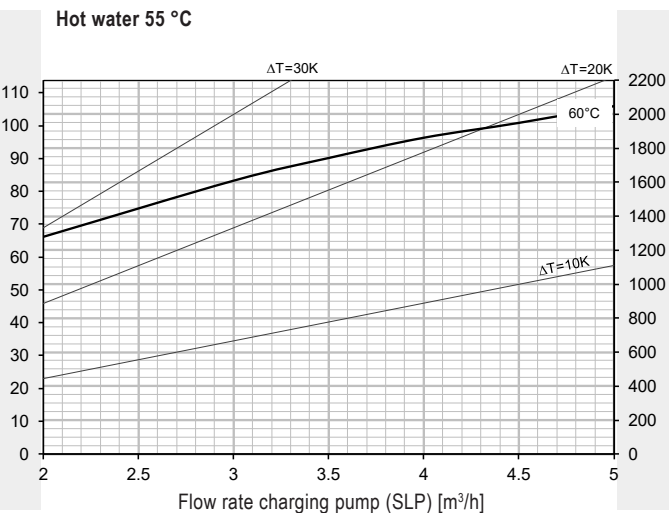
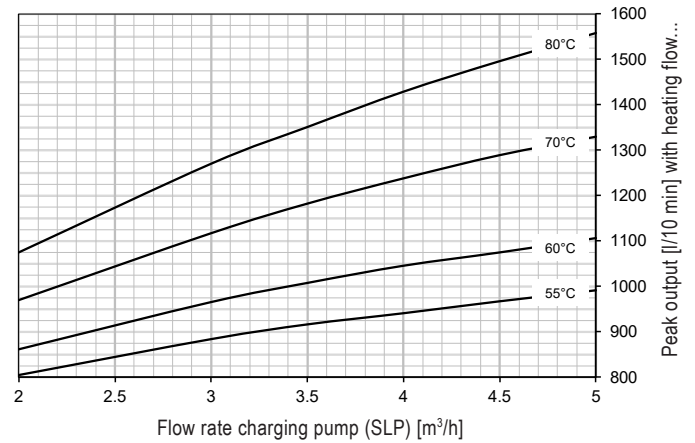
MultiVal CSRR (1000)

Hot water output  
Continuous output

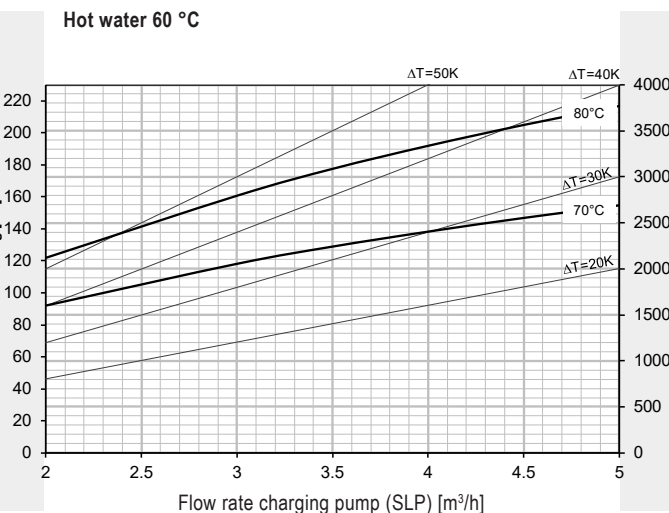
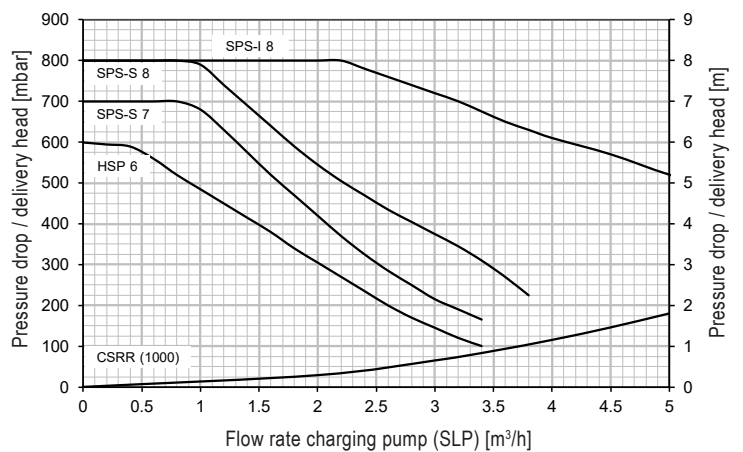
Reading example  
see engineering



10 min peak output - hot water 45 °C \*



Pressure drop heating coil - delivery head charging pump

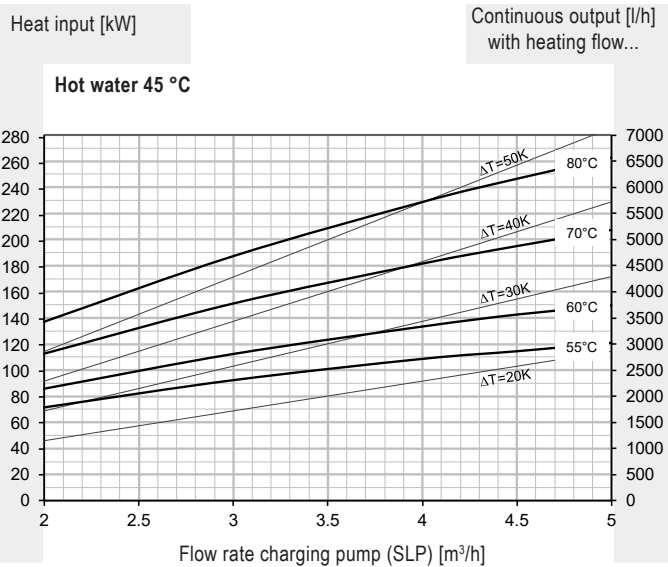


\* Calorifier heated to 60 °C

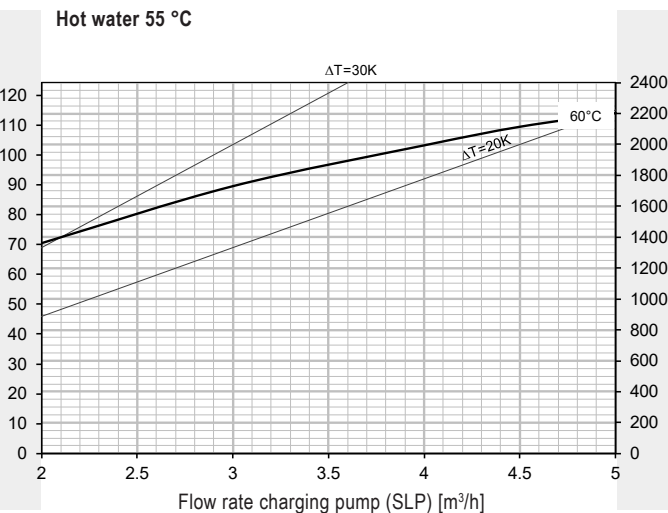
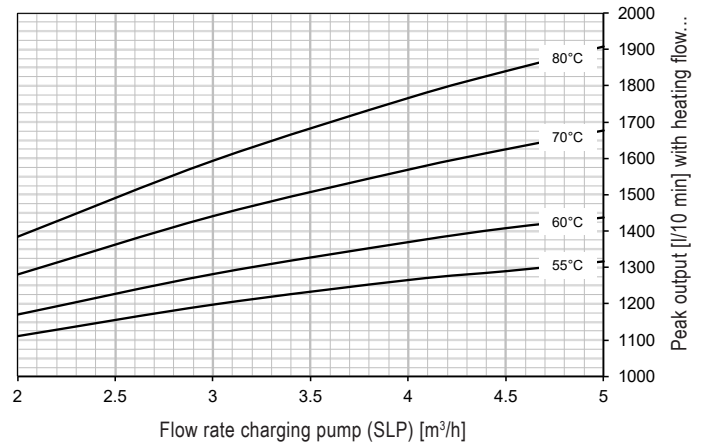
MultiVal CSRR (1500)

Hot water output  
Continuous output

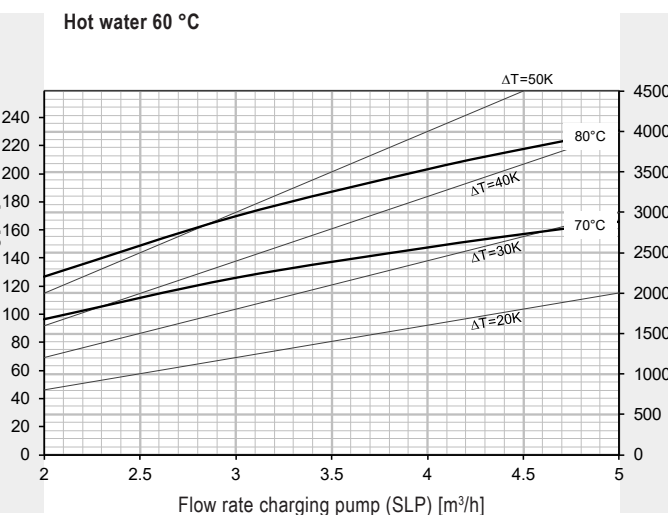
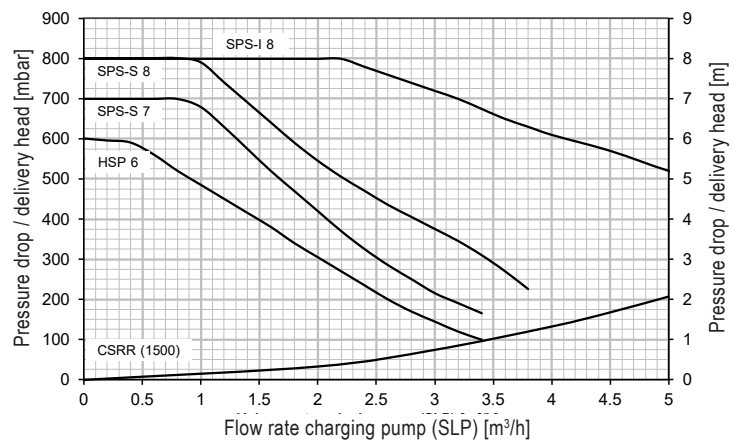
Reading example  
see engineering



10 min peak output - hot water 45 °C \*



Pressure drop heating coil - delivery head charging pump

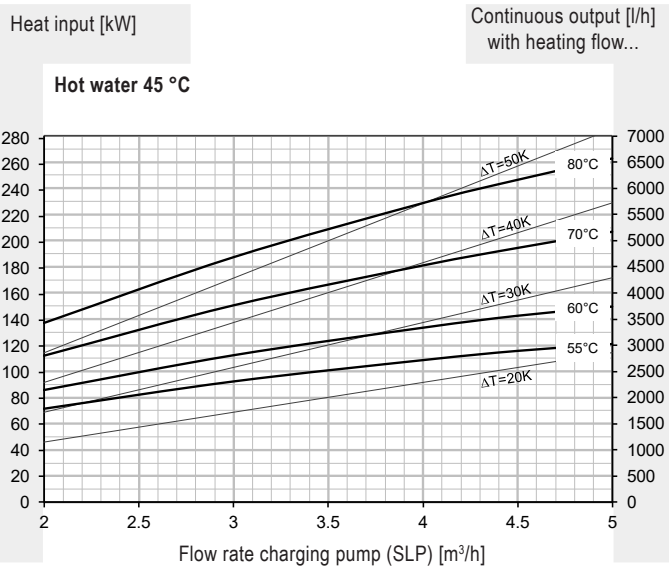


\* Calorifier heated to 60 °C

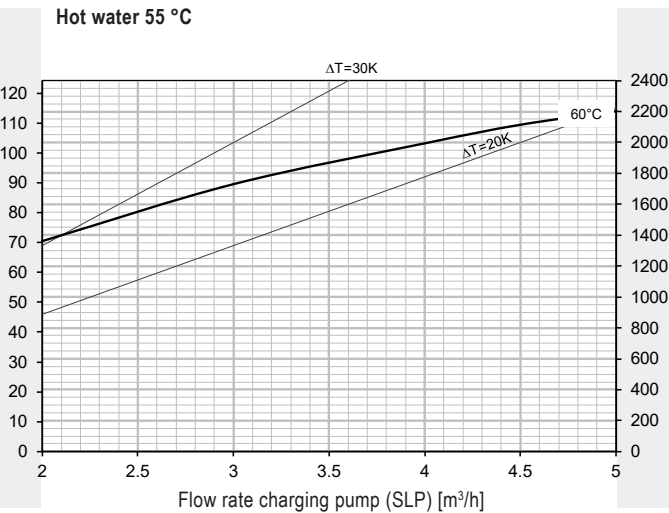
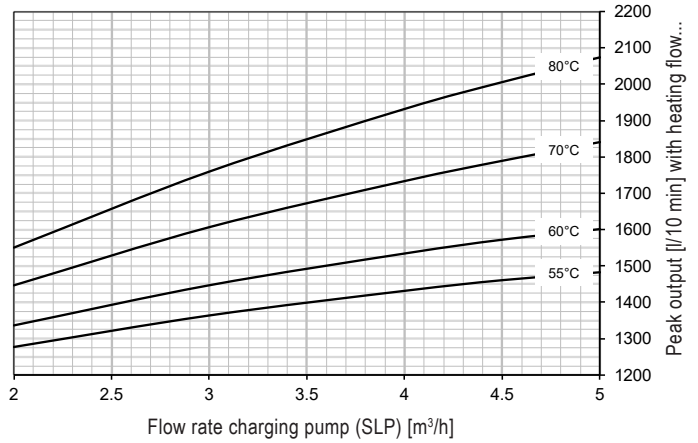
MultiVal CSRR (2000)

Hot water output  
Continuous output

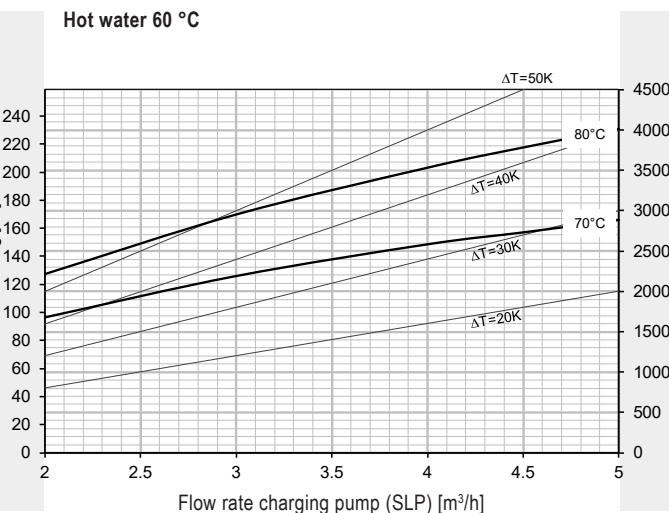
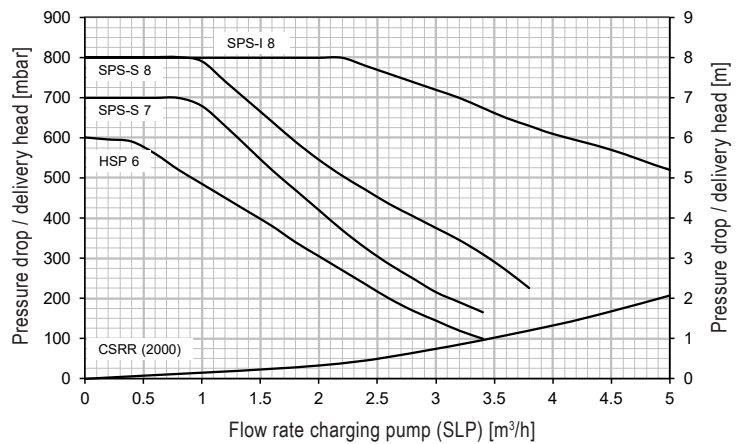
Reading example  
see engineering



10 min peak output - hot water 45 °C \*

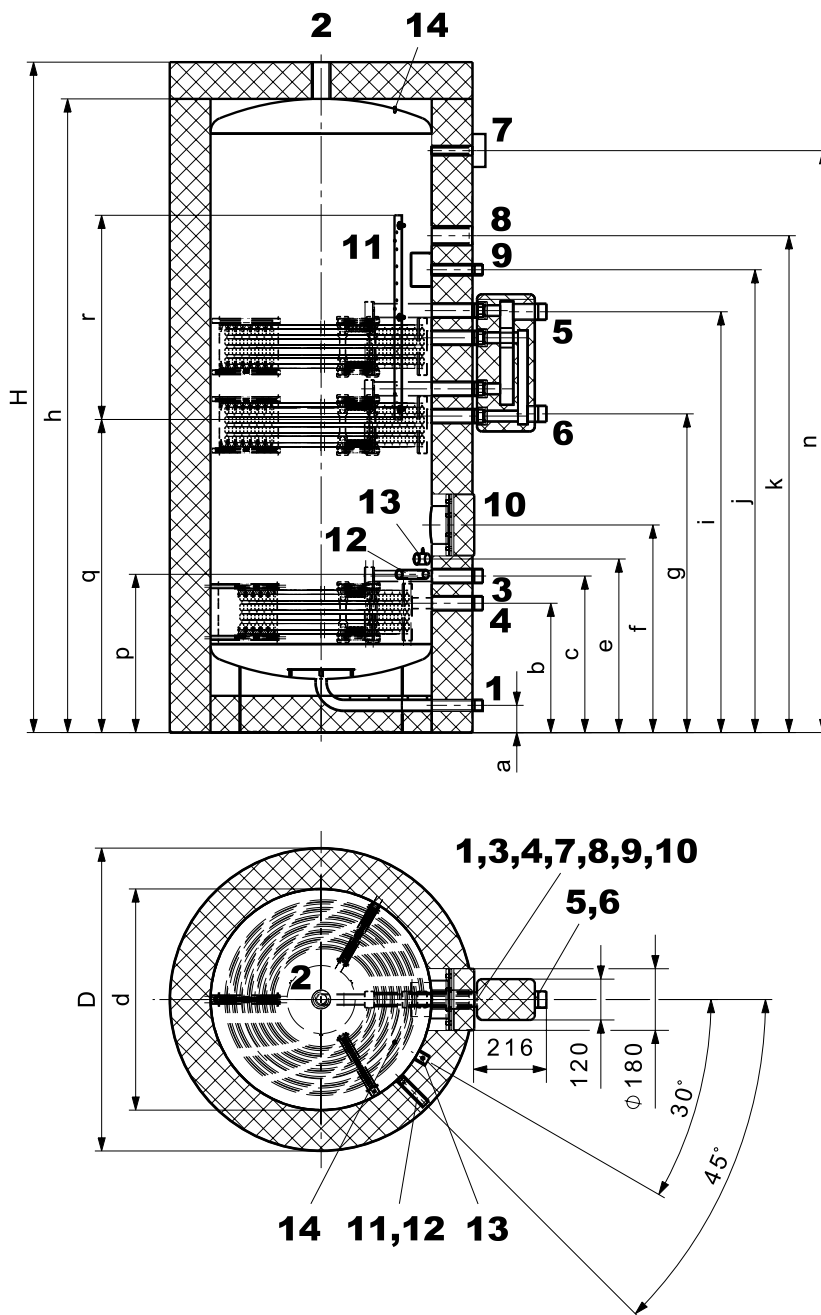


Pressure drop heating coil - delivery head charging pump



\* Calorifier heated to 60 °C

**MultiVal CSRR (500)**  
(Dimensions in mm)

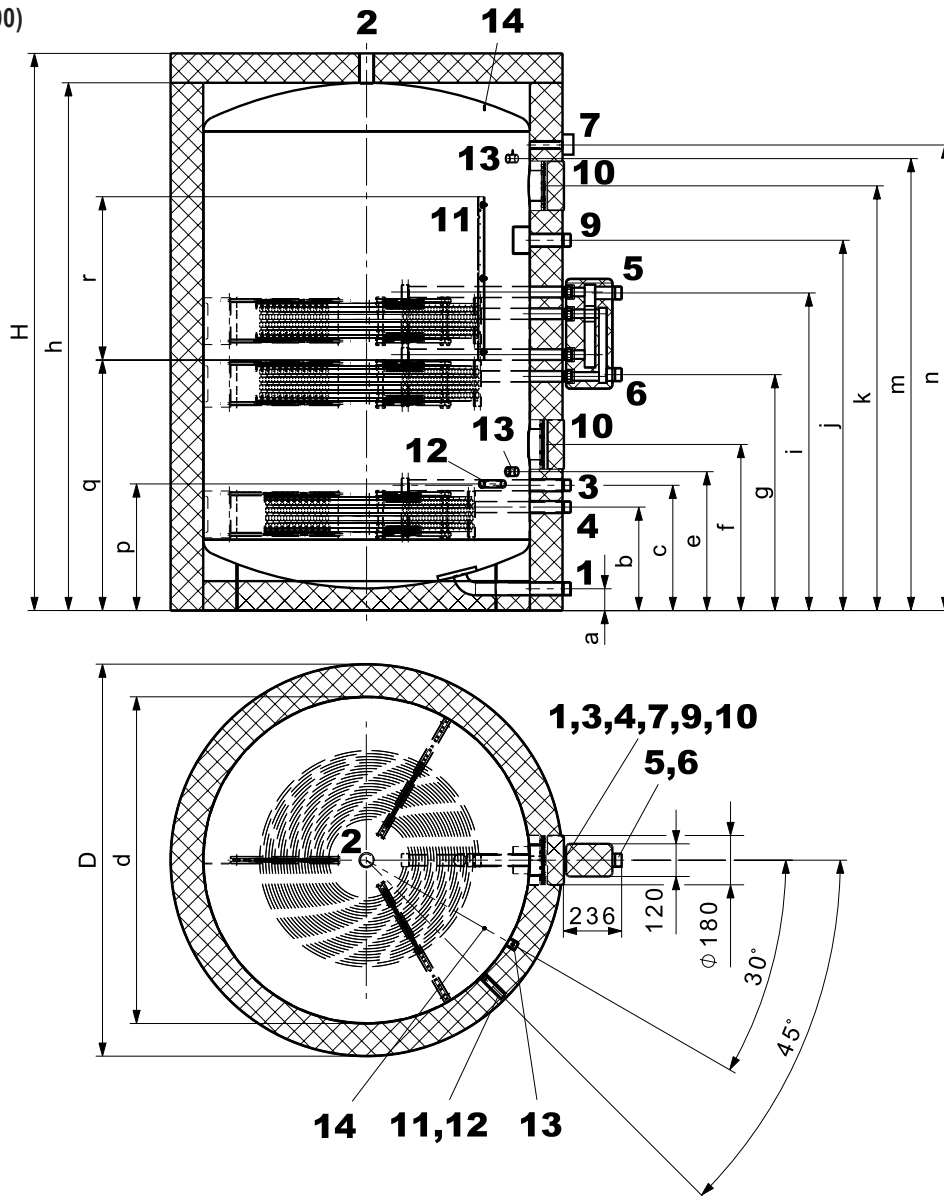


- |  |             |   |
|--|-------------|---|
| 1 Cold water                                       | G 1" (ET)   | 10 Hand-hole flange                                 |
| 2 Hot water  | Rp 1½" (IT) | (flange-mounted electric heating element)           |
| 3 Flow solar circuit                               | G 1¼" (ET)  | ∅ 180/110 mm, pitch circle ∅ 150 mm, 8 x M10        |
| 4 Return solar circuit                             | G 1¼" (ET)  | 11 Sensor terminal bar 600 x 30 mm                  |
| 5 Flow re-heating                                  | R 1½" (ET)  | 12 Sleeve with mounted immersion                    |
| 6 Return re-heating                                | R 1½" (ET)  | sleeve for sensor, thermostat                       |
| 7 Sleeve with mounted immersion                    | Rp ½" (IT)  | (immersion sleeve: L = 200, inner ∅ = 8 mm)         |
| sleeve and thermometer                             |             | 13 Sleeve with grounding bolt for impressed current |
| (immersion sleeve: L = 200, inner ∅ = 8 mm)        |             | anode (perforated thermal insulation) type (500)    |
| 8 Connection for screw-in electric heating element | Rp 1½" (IT) | 1 x   |
| 9 Circulation                                      | G 1" (ET)   | Attention: observe the installation length          |
|  |             | 14 Equipotential bonding                            |

Deviations possible as a result of manufacturing tolerances.  
Dimensions +/- 10 mm

MultiVal CSRR	D	d	H	h	a	b	c	e	f	g	i	j	k	n	p	q	r	Tilting dimension
(500)	890	650	1970	1862	80	380	460	510	610	930	1240	1360	1460	1710	465	950	540	2162

**MultiVal CSRR (800-2000)**  
(Dimensions in mm)



- |  |                                     |   |
|--|-------------------------------------|---|
| 1 Cold water   | G 1½" (ET)                          | 10 Hand-hole flange (flange-mounted electric heating element)<br>Ø 180/110 mm, pitch circle Ø 150 mm, 8 x M10                               |
| 2 Hot water  | Rp 1½" (IT)                         |   |
| 3 Flow solar circuit   | G 1¼" (ET)                          | 11 Sensor terminal bar 600 x 30 mm  |
| 4 Return solar circuit   | G 1¼" (ET)                          | 12 Sleeve with mounted immersion sleeve for sensor, thermostat Rp ½" (IT)   |
| 5 Flow re-heating  | R 1½" (ET)                          |   |
| 6 Return re-heating  | R 1½" (ET)                          | (immersion sleeve: L = 200, inner Ø = 8 mm)   |
| 7 Sleeve with mounted immersion sleeve and thermometer (immersion sleeve: L = 200, inner Ø = 8 mm) | Rp ½" (IT)                          | 13 Sleeve with grounding bolt for impressed current anode (perforated thermal insulation) type (800) 1 x<br>type (1000-2000) 2 x Rp ¾" (IT) |
| 9 Circulation  | type (800,1000)<br>type (1500,2000) | G 1¼" (ET) Attention: observe the installation length<br>G 1½" (ET) 14 Equipotential bonding  |

Deviations possible as a result of manufacturing tolerances.  
Dimensions +/- 10 mm

MultiVal CSRR	D	d	H	h	a	b	c	e	f	g	i	j	k	m	n	p	q	r	Tilting dimension
(800)	990	790	1991	1883	80	380	460	510	610	930	1240	1360	1560	-	1710	465	950	540	2224
(1000)	1090	890	1991	1883	80	380	460	510	610	930	1240	1360	1560	1660	1710	465	950	540	2270
(1500)	1340	1100	2012	1904	80	380	460	510	610	930	1240	1360	1560	1660	1710	465	950	540	2417
(2000)	1440	1200	2046	1938	80	380	460	510	610	860	1170	1360	1560	1660	1710	465	950	540	2502