
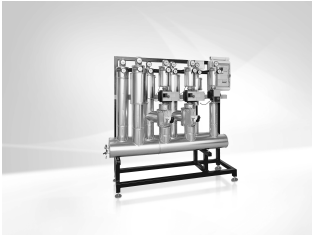


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Heating armature/ charging groups		Hoval heating armature groups Hoval heating wall distributors <ul style="list-style-type: none"> ■ Description 1053 ■ Selection table 1055 ■ Part No. 1059 ■ Technical data 1067 ■ Dimensions 1069
	Configurable heating distributors	

Heating armature group for mixer circuit

- Suitable for wall distributor construction
- With 3-way motor mixer
- 2 ball valves with thermometer
- Heat-insulating box made of EPP half shells
- Heating flow/pump left

HA20-3BM-R (¾"), HA25-3BM-R (1"), HA32-3BM-R (1¼")

Fully assembled and electrically wired with:

- connecting cable with plug for TopTronic® controller
- 3-way motor mixer with integrated bypass, adjustable from 0-50 %
- backflow preventer with deaeration adjusting screw
- Heating circuit pump (enclosed separately)

Optional

- Type HA25 and HA32 are also available without pump

HA40-3M-R (1½"), HA50-3M-R (2")

Without connecting cable and plug, electrically unwired with:

- backflow preventer with deaeration adjusting screw
- without pump (must be ordered separately)

Delivery

- Heating armature group completely packaged
- Pump separately
- Optional bypass valve available

On site

- Conversion option to heating flow/pump right
- Installation of the pump (DN 20-DN 32)
- Mounting of the bypass valve (DN 20-DN 32, option)

Optional

- Type HA40 and HA50 are also available without pump.

Heating armature group HA-3BM-L for mixer circuit

- Design as heating armature group HA-3BM-R, but: heating flow/pump right



Loading group LG-2

Heating armature group HA-2

- For the connection of a side calorifier or as heating circuit without mixer
- Suitable for wall distributor construction
- 2 ball valves with thermometer
- Heat-insulating box made of EPP half shells
- Heating flow/pump left

LG/ HA20-2 (¾"), LG/ HA25-2 (1"), LG/ HA32-2 (1¼")

Fully assembled and electrically wired with:

- connecting cable with plug for TopTronic® controller
- backflow preventer (enclosed separately)
- Pump (enclosed separately)

Optional

- Type LG/HA25-2 and LG/HA32-2 are also available without pump.

LG/ HA40-2 (1½"), LG/ HA50-2 (2")

Without connecting cable and plug, electrically unwired with:

- non-return valve with deaeration adjusting screw
- without pump (must be ordered separately)

Delivery

- Armature group completely packaged
- Pump separately

On site

- Conversion option to heating flow/pump right
- Installation of the pump (DN 20-DN 32)

Optional

- Type HA40 and HA50 are also available without pump.

Loading group LG25-2 Compact for the direct installation at side calorifier

- For the connection of a side calorifier
- Installation directly on the calorifier ER (200-500), CR (200-1000) or without connecting bend in the feed line or at the boiler
- 1 ball valve pressure-side with non-return valve
- 1 ball valve suction-side with thermometer completely assembled and electrically wired with:
 - connecting cable with plug for TopTronic® controller
 - loading circuit pump (enclosed separately)
- Heat-insulating box made of EPP half shells
- Fully isolated connection bend with screw joint (enclosed separately)

Delivery

- Loading group with connection bend completely packaged.
- Pump (enclosed separately)

On site

- Installation of the connection bend
- Installation of the pump

Information relating to pumps
see "Circulating pumps"

Bypass groups

BG25-3 (1"), BG32-3 (1¼")

- Bypass with fittings
- Without pump
- Suitable for the installation under the wall distributor

Standard pressure distributor WV-S

Not upgradeable

WV-S 25-2/3 (1")

- Pressure distributor (bronze) for
 - 2 armature groups DN25 on the top
 - 1 armature group DN25 at the bottom (in connection with the connection set WV-S 25-U)
- Thermal insulation made of EPP shells
- Bracket for installation
- Variable connections boiler-side



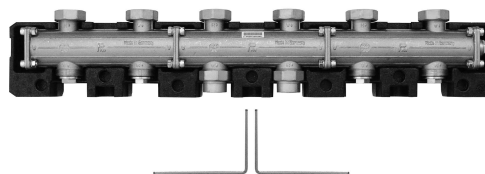
System pressure distributor WV-M

Upgradeable

WV-M 20 (¾"), WV-M 25 (1"), WV-M 32 (1¼"),

WV-M 40 (1½"), WV-M 50 (2")

- Bronze pressure distributor
- Thermal insulation made of EPP shells; DN 20 (¾") with heat-insulating caps; the actual insulation is done by the heat-insulating box of the HA group
- Bracket for installation, DN 40 and 50 without bracket
- Variable connections boiler-side



On site

- Upgrade options for additional armature groups
- Conversion to pressureless design possible (only DN 20-32)

Mounting console for wall installation

MKW-WV 40

For installing the pressure distributor WV-M 40 on the wall. 1 set 2 pieces each

For wall distributors with more than 4 HA groups absolutely use console for floor installation!

Mounting console for floor installation

MKW-WV 40/50

For installing the pressure distributor WV-M 40 and WV-M 50 on the floor. 1 set 2 pieces each

For wall distributors with up to 4 HA groups 1 set, for wall distributors with more than 5 HA groups 2 sets required!

Upgrade module EW-WV

DN 20, 25, 32 without insulation, a new insulation must be ordered for the upgraded distributor.

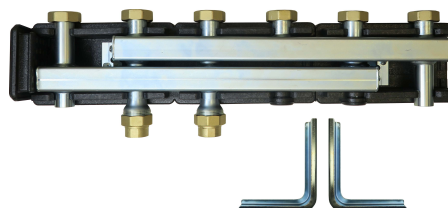
DN 40, 50 with insulation

Steel pressure distributor SWV

Not upgradeable

SWV 25 (1"), SWV 32 (1¼")

- Pressure distributor made of steel, galvanised
- Thermal insulation made of EPP shells
- Bracket for installation
- Variable connections boiler-side



Selection recommendation heating armature group (HA)

HA...-2 direct heating circuit											
Volume flow	Dimension	Pressure drop	Output [kW] at ΔT of...			Residual overpressure [mbar]					
\dot{V} [m ³ /h]	[DN]	ΔP [mbar]	15 [K]	20 [K]	25 [K]	HSP 4	HSP 6	SPS-S 7	SPS-S 8	SPS-I 8	SPS-I 12
0.2	20	2	3.5	4.6	6	378	593	698	798		
0.4		7	6.9	9.2	12	333	588	693	793		
0.6		16	10	14	17	294	564	684	784		
0.8		29	14	18	23	256	491	671	771		
1.0	25	45	17	23	29	210	440	635	755		
1.2		65	21	28	35		385	565	675		
1.4		89	24	32	40		321	491	571		
1.6		116	28	37	46		264	394	484		
1.6	32	49	28	37	46		331	461	551	751	
1.8		63	31	42	52		278	398	498	738	
2.0		77	35	46	58			353	433	723	
2.2		93	38	51	64				367	707	
2.4	40	111	42	55	69				309	669	
2.4		25	42	55	69				395	755	
2.6		30	45	60	75				360	730	
2.8		34	49	65	81				316	706	
3.0	50	39	52	69	87					681	
3.2		45	55	74	92					655	
3.4		51	59	79	98					619	
3.6		57	62	83	104					593	
3.8	60	63	66	88	110					577	
4.0		70	69	92	116					540	
4.5		89	78	104	130					481	
5.0		110	87	116	145					410	
5.0	70	31	87	116	145					489	1119
5.5		38	95	127	159					442	1062
6.0		45	104	139	173					365	965
6.5		53	113	150	188					327	897
7.0	80	61	121	162	202						839
7.5		70	130	173	217						780
8.0		80	139	185	231						700
8.5		90	147	197	246						640
9.0	90	101	156	208	260						549
9.5		113	165	220	275						487
10.0		125	173	231	289						415
5.0		50	26	87	116	145					494
5.5	31		95	127	159					449	1069
6.0	37		104	139	173					373	973
6.5	43		113	150	188					337	907
7.0	60	50	121	162	202						850
7.5		58	130	173	217						792
8.0		66	139	185	231						714
8.5		74	147	197	246						656
9.0	70	83	156	208	260						567
9.5		93	165	220	275						507
10.0		103	173	231	289						437
10.5		113	182	243	303						357

Example: The pressure drop must be matched with the residual overpressure of the pump used.

Direct (without mixer) circuit 18 kW at Δt 20 K, results in a heating armature group HA 20-2.

With a HSP 4-pump, there is a residual overpressure of 256 mbar.

Selection recommendation heating armature group (HA)

HA...-3 mixed heating circuit													
Volume flow	Dimension	Pressure drop	Output [kW] at ΔT of...					Residual overpressure [mbar]					
\dot{V} [m ³ /h]	[DN]	ΔP [mbar]	7 [K]	10 [K]	15 [K]	20 [K]	kvs	HSP 4	HSP 6	SPS-S 7	SPS-S 8	SPS-I 8	SPS-I 12
0.2	20	3	1.6	2.3	3.5	4.6	3.7	377	592	697	797		
0.4		12	3.2	4.6	6.9	9.2	3.7	328	583	688	788		
0.6		26	4.9	6.9	10	14	3.7	284	554	674	774		
0.8		47	6.5	9.2	14	18	3.7	238	473	653	753		
1.0		73	8.1	12	17	23	3.7		412	607	727		
1.2		105	10	14	21	28	3.7		345	525	635		
1.2		40	10	14	21	28	6.0		410	590	700	760	
1.4	25	54	11	16	24	32	6.0		356	526	606	746	
1.6		71	13	18	28	37	6.0		309	439	529	729	
1.8	32	90	15	21	31	42	6.0		250	370	470	710	
2.0		111	16	23	35	46	6.0			319	399	689	
2.0		39	16	23	35	46	10.1			391	471	761	1111
2.2		47	18	25	38	51	10.1			303	413	753	1103
2.4		56	19	28	42	55	10.1				364	724	1094
2.6		66	21	30	45	60	10.1				324	694	1084
2.8		77	23	32	49	65	10.1					663	1073
3.0	40	88	24	35	52	69	10.1					632	1062
3.2		100	26	37	55	74	10.1					600	1050
3.4		113	28	39	59	79	10.1					557	1037
3.4		37	28	39	59	79	17.7					633	1113
3.6		41	29	42	62	83	17.7					609	1109
3.8		46	31	44	66	88	17.7					594	1104
4.0		51	32	46	69	92	17.7					559	1099
4.5		65	36	52	78	104	17.7					505	1085
5.0		80	40	58	87	116	17.7					440	1070
5.5		97	45	64	95	127	17.7					383	1003
6.0	115	49	69	104	139	17.7					295	895	
6.0	50	55	49	69	104	139	25.7					355	955
6.5		64	53	75	113	150	25.7					316	886
7.0		74	57	81	121	162	25.7						826
7.5		85	61	87	130	173	25.7						765
8.0		97	65	92	139	185	25.7						683
8.5		109	69	98	147	197	25.7						621
9.0		123	73	104	156	208	25.7						527

Example: The pressure drop must be matched with the residual overpressure of the pump used.

Mixer circuit 18 kW at Δt 10 K, results in a heating armature group HA 25-3.

With a HSP 6-pump, there is a residual overpressure of 309 mbar.

Selection recommendation wall distributor (WV)

Volume flow	Output [kW] at ΔT of...				Distributors WV-M...-2					Distributors WV-M...-3					Distributors WV-M...-4					Distributors WV-M...-5				
					Residual overpressure [mbar]					Residual overpressure [mbar]					Residual overpressure [mbar]					Residual overpressure [mbar]				
					DN					DN					DN					DN				
[m³/h]	ΔT 7 K	ΔT 10 K	ΔT 15 K	ΔT 20 K	20	25	32	40	50	20	25	32	40	50	20	25	32	40	50	20	25	32	40	50
0.2	1.6	2.3	3.5	4.6	1					1					1					1				
0.4	3.2	4.6	6.9	9.2	3					3					3					2				
0.6	4.9	6.9	10	14	7					6					6					5				
0.8	6.5	9.2	14	18	13					11					10					10				
1.0	8.1	12	17	23	20					16					16					15				
1.2	10	14	21	28	29					24					23					22				
1.4	11	16	24	32	39					32					31					30				
1.6	13	18	28	37	51	8				42	6				40	5				39	5			
1.8	15	21	31	42		10					7				51	7				49	6			
2.0	16	23	35	46		12					9					8					8			
2.2	18	25	38	51		15					11					10					9			
2.4	19	28	42	55		18	5	5	2		13	4	6	2		12	4	6	3		11	4	6	3
2.6	21	30	45	60		21	6	6	3		15	5	7	3		14	5	8	3		13	5	8	3
2.8	23	32	49	65		24	7	7	3		18	6	8	3		16	5	9	4		15	5	9	4
3.0	24	35	52	69		28	8	8	4		20	7	9	4		19	6	10	4		17	6	10	4
3.2	26	37	55	74		32	9	10	4		23	7	10	4		21	7	11	5		19	7	11	5
3.4	28	39	59	79		36	10	11	5		26	8	11	5		24	8	13	5		22	8	13	5
3.6	29	42	62	83		40	11	12	5		29	9	13	5		27	9	14	6		24	9	14	6
3.8	31	44	66	88		45	12	13	6		33	11	14	6		30	10	16	7		27	10	16	7
4.0	32	46	69	92		49	14	15	6		36	12	16	7		33	11	18	7		30	11	18	7
4.5	36	52	78	104			18	19	8			15	20	8		42	14	23	9		38	14	23	9
5.0	40	58	87	116			22	23	10			18	25	10			17	28	12		47	17	28	12
5.5	45	64	95	127			26	28	12			22	30	13			21	34	14			21	34	14
6.0	49	69	104	139			31	33	14			26	35	15			25	40	17			25	40	17
6.5	53	75	113	150			37	39	17			31	42	18			29	47	19			29	47	19
7.0	57	81	121	162			42	46	20			36	48	20			34		23			34		23
7.5	61	87	130	173			49		22			41		24			39		26			39		26
8.0	65	92	139	185					25			47		27			44		29			44		29
8.5	69	98	147	197					29					30			50		33			50		33
9.0	73	104	156	208					32					34					37					37
9.5	77	110	165	220					36					38					42					42
10.0	81	116	173	231					40					42					46					46

Total volume flow = 0.8 + 1.6 = 2.4 m³/h.
 The next largest volume flow is selected.
 This results in a distributor WV-M 25-2, with a total pressure drop of 18 mbar.

The distributor should have at least the nominal diameter of the largest HA groups.

Selection recommendation steel pressure distributor (SWV)

Volume flow [m³/h]	Output [kW] at ΔT of...					Heating wall distributor SWV..-2		Heating wall distributor SWV..-3	
						Residual overpressure [mbar]		Residual overpressure [mbar]	
	DN		DN						
	ΔT 7 K	ΔT 10 K	ΔT 15 K	ΔT 20 K	ΔT 25 K	25	32	25	32
1.2	10	14	21	28	35	3		3	
1.4	11	16	24	32	40	4		4	
1.6	13	18	28	37	46	5		5	
1.8	15	21	31	42	52	6		6	
2.0	16	23	35	46	58	7		7	
2.2	18	25	38	51	64	9		9	
2.4	19	28	42	55	69	11	2	11	2
2.6	21	30	45	60	75	13	3	13	2
2.8	23	32	49	65	81	15	3	15	3
3.0	24	35	52	69	87	17	3	17	3
3.2	26	37	55	74	92	19	4	19	4
3.4	28	39	59	79	98	22	4	22	4
3.6	29	42	62	83	104	24	5	24	5
3.8	31	44	66	88	110	27	5	27	5
4.0	32	46	69	92	116	30	6	30	6
4.5	36	52	78	104	130	38	8	38	7
5.0	40	58	87	116	145	47	9	47	9
5.5	45	64	95	127	159		11		11
6.0	49	69	104	139	173		13		13
6.5	53	75	113	150	188		16		15
7.0	57	81	121	162	202		18		18
7.5	61	87	130	173	217		21		20
8.0	65	92	139	185	231		24		23
8.5	69	98	147	197	246		27		26
9.0	73	104	156	208	260		30		29
9.5	77	110	165	220	275		34		33
10.0	81	116	173	231	289		37		36

Heating armature groups



Heating armature group HA-3BM-R
with 3-way motor mixer and heat-insulating box.
Installation right (flow left)

HA group/pump Speed control EEI



HA group/pump	Speed control	EEI	Part No.
DN 20 (¾")			
HA20-3BM-R/HSP 4	•	• • 0.18	6051 715
HA20-3BM-R/HSP 6	•	• • 0.20	6051 716
HA20-3BM-R/SPS-S 7	• •	• 0.20	6049 541
HA20-3BM-R/SPS-S 8	• •	• 0.20	6049 542

DN 25 (1")			
HA25-3BM-R/HSP 6	•	• • 0.20	6051 717
HA25-3BM-R/SPS-S 7	• •	• 0.20	6049 545
HA25-3BM-R/SPS-S 8	• •	• 0.20	6049 546
HA25-3BM-R/SPS-I 8 PM1	• • •	• 0.23	6046 612
HA25-3BM-R	without pump		6046 642

Pumps for HA25-3BM-R
see "Circulating pumps".
Pump installation dimensions 1½" x 180 mm

DN 32 (1¼")			
HA32-3BM-R/SPS-S 7	• •	• 0.20	6049 549
HA32-3BM-R/SPS-S 8	• •	• 0.20	6049 550
HA32-3BM-R/SPS-I 8 PM1	• • •	• 0.23	6046 618
HA32-3BM-R/SPS-I 12 PM1	• • •	• 0.23	6046 619
HA32-3BM-R	without pump		6046 643

Pumps for HA32-3BM-R
see "Circulating pumps".
Pump installation dimensions 2" x 180 mm

DN 40 (1½")			
HA40-3M-R/SPS-I 8 PM1	• • •	0.23	6040 903
HA40-3M-R/SPS-I 12 PM1	• • •	0.23	6040 904
HA40-3M-R	without pump		6014 867

Pumps for HA40-3M
see "Circulating pumps".
Pump installation dimensions DN 40/PN 6 x 250 mm

DN 50 (2")			
HA50-3M-R/SPS-I 12 PM1	• • •	0.23	6040 905
HA50-3M-R	without pump		6014 869

Pumps for HA50-3M-R
see "Circulating pumps".
Pump installation dimensions DN 50/PN 6 x 280 mm

Part No.

Speed control legend	
	Δp-v Variable differential pressure
	ENF Vent function 10 min.
	PWM control signal heating
	Δp-c Constant differential pressure
	Constant speed

Heating armature groups



Heating armature group HA-3BM-L
with 3-way motor mixer and heat-insulating box.
Installation left (flow right)

HA group/pump	Speed control				EEI

HA group/pump					EEI	Part No.
DN 20 (3/4")						
HA20-3BM-L/HSP 4	•			•	0.18	6051 718
HA20-3BM-L/HSP 6	•			•	0.20	6051 719
HA20-3BM-L/SPS-S 7	•	•		•	0.20	6049 543
HA20-3BM-L/SPS-S 8	•	•		•	0.20	6049 544

DN 25 (1")						
HA25-3BM-L/HSP 6	•			•	0.20	6051 720
HA25-3BM-L/SPS-S 7	•	•		•	0.20	6049 547
HA25-3BM-L/SPS-S 8	•	•		•	0.20	6049 548
HA25-3BM-L/SPS-I 8 PM1	•		•	•	0.23	6046 624
HA25-3BM-L					without pump	6046 644

Pumps for HA25-3BM-L
see "Circulating pumps".
Pump installation dimensions 1 1/2" x 180 mm

DN 32 (1 1/4")						
HA32-3BM-L/SPS-S 7	•	•		•	0.20	6049 551
HA32-3BM-L/SPS-S 8	•	•		•	0.20	6049 552
HA32-3BM-L/SPS-I 8 PM1	•		•	•	0.23	6046 630
HA32-3BM-L/SPS-I 12 PM1	•		•	•	0.23	6046 631
HA32-3BM-L					without pump	6046 645

Pumps for HA32-3BM-L
see "Circulating pumps".
Pump installation dimensions 2" x 180 mm

Speed control legend

	Δp-v	Variable differential pressure
	ENF	Vent function 10 min.
		PWM control signal heating
	Δp-c	Constant differential pressure
		Constant rotational speed

Heating armature groups




Loading group LG-2

Heating armature group HA-2

For the connection of a side calorifier or as heating circuit without mixer, with heat-insulating box. Installation right (flow left).

Charging/HA group/pump Speed control EEI




DN 20 (3/4")

LG/HA20-2/HSP 4	•	•	•	0.18	6051 743
LG/HA20-2/HSP 6	•	•	•	0.20	6051 744
LG/HA20-2/SPS-S 7	•	•	•	0.20	6040 906
LG/HA20-2/SPS-S 8	•	•	•	0.20	6040 907

DN 25 (1")

LG/HA25-2/HSP 6	•	•	•	0.20	6051 745
LG/HA25-2/SPS-S 7	•	•	•	0.20	6049 553
LG/HA25-2/SPS-S 8	•	•	•	0.20	6049 554
LG/HA25-2/SPS-I 8 PM1	•	•	•	0.23	6046 636
LG/HA25-2	without pump				6046 646

Pumps for LG/HA25-2

see "Circulating pumps".
Pump installation dimensions 1 1/2" x 180 mm

DN 32 (1 1/4")

LG/HA32-2/SPS-S 8	•	•	•	0.21	6049 555
LG/HA32-2/SPS-I 8 PM1	•	•	•	0.23	6046 641
LG/HA32-2	without pump				6046 647

Pumps for LG/ HA32-2

see "Circulating pumps".
Pump installation dimensions 2" x 180 mm

DN 40 (1 1/2")

HA40-2/SPS-I 8 PM1	•	•	•	0.23	6040 914
HA40-2/SPS-I 12 PM1	•	•	•	0.23	6040 915
HA40-2	without pump				6014 868

Pumps for HA40-2

see "Circulating pumps".
Pump installation dimensions DN 40/PN 6 x 250 mm






DN 50 (2")

HA50-2/SPS-I 12 PM1	•	•	•	0.23	6040 916
HA50-2	without pump				6014 870

Pumps for HA50-2

see "Circulating pumps".
Pump installation dimensions DN 50/PN 6 x 280 mm

Part No.






Speed control legend	
	Δp-v Variable differential pressure
	ENF Vent function 10 min.
	PWM control signal heating
	Δp-c Constant differential pressure
	Constant rotational speed

Heating armature groups



Compact loading group LG-2






With heat-insulating box for the direct installation on the CombiVal with 1"-nozzle, in the feed line or on the boiler.

Charging group/pump	Speed control				EEI	
						≤
DN 25 (1")						
LG 25-Compact/HSP 4	•			•	•	0.18
LG 25-Compact/HSP 6	•			•	•	0.20
LG 25-Compact/SPS-S 7	•	•		•		0.20

Part No.

6051 746
6051 747
6049 556

Speed control legend

	$\Delta p-v$	Variable differential pressure
	ENF	Vent function 10 min.
		PWM control signal heating
	$\Delta p-c$	Constant differential pressure
		Constant rotational speed

Heating armature groups



Installation section for heat meters
for installation in the return of the direct (unmixed) heating armature group DN 25
Set consisting of:
- Fitting tube with connections G 1" on both sides, incl. adapter for installation of meter with G 3/4" x 110 mm or G 1" x 130 mm
- Pump ball valve G 1" with gravity brake and union nut Rp 1"
- Flat seals

6006 990



Installation section for heat meters
for installation in the return of the mixed heating armature group DN 25
Set consisting of:
- Fitting tube with connections G 1" on both sides, incl. adapter for installation of meter with G 3/4" x 110 mm or G 1" x 130 mm
- Flat seals

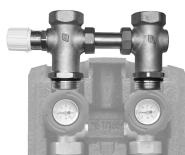
6006 991



Thermometer well 1/2"
for temperature sensor for heat meter installation section

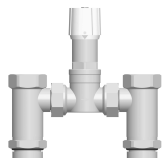
	D [mm]	L [mm]
D 5.5/30 mm	5.5	30
D 6.0/60 mm	6.0	60

2010 062
2010 063



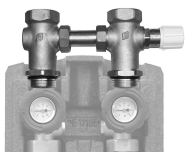
Bypass valve DN 20 (1/2")
for the installation in a HA group DN 20
Pressure range 0.1-0.6 bar

6013 684



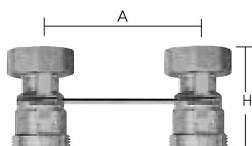
Bypass valve DN 25 (1")
for installation on a HA group DN 25
Pressure range 0.1 - 0.6 bar

6046 875



Bypass valve DN 32 (1 1/4")
for the installation in a HA group DN 32
Setting range 0.6-1.5 bar
Max. flow rate: 1.5 m³/h
with self-sealing screw connection for mounting between flow and return ball valve

6014 849



Holding plate
Suited to Hoval boiler connection set AS, for the installation of a Hoval loading group LG-2/unmixed HA group HA-2.

	A [mm]	H [mm]
DN 25	125	60
DN 32	125	70

2022 446
2022 447



Wall bracket
for the installation of a Hoval armature group on the wall.

Type	Dimens. between centre lines mm	Connection		Wall distance mm
		Top	Bottom	
DN 20	90	Rp 1" R 3/4"	70,85,100	
DN 25	125	Rp 1 1/2" R 1"	87-162	
DN 32	125	Rp 2" R 1 1/2"	142,167	

6019 209
6019 210
6025 295

Bypass groups



Bypass group BG25-3
for boiler circuit
for the installation below the wall distributor
complete with fittings (without pumps)

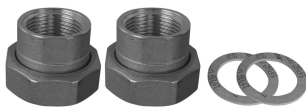
6007 189

Wall distributors



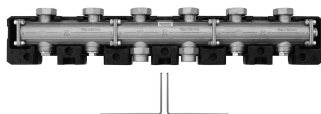
Standard pressure distributor WV-S 25-2/3
DN 25 (1")
wall distributor (not expandable)
of brass
for 2 armature groups on the top,
with heat insulation made of EPP shells,
including brackets.

6031 809



Screw fittings brass VSM21
Version brass incl. seals
2 x screw fittings
External thread: G 1½"
Internal thread: Rp 1"

6007 004



System pressure distributor expandable
Bronze wall distributor for 2 or 3
armature groups on top (expandable).
DN 20 without thermal insulation,
DN 25-DN 50 with thermal insulation.
DN 20-DN 32 including brackets,
DN 40/50 without brackets.
Variable connections boiler-side.
With separate components attachment of
additional armature groups and conversion
to pressureless operation possible.

Wall distributor type	HA groups	
DN 20 (¾")		
WV-M 20-2	2 HA groups	6013 694
WV-M 20-3	3 HA groups	6013 695
DN 25 (1")		
WV-M 25-2	2 HA groups	6046 648
WV-M 25-3	3 HA groups	6046 649
DN 32 (1¼")		
WV-M 32-2	2 HA groups	6046 650
WV-M 32-3	3 HA groups	6046 651
DN 40 (1½")		
WV-M 40-2	2 HA groups	6015 116
WV-M 40-3	3 HA groups	6015 117
DN 50 (2")		
WV-M 50-2	2 HA groups	6015 143

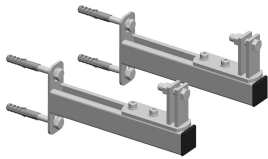


Coupling console
For the installation of a HA group DN 25
below at the system pressure distributor

HA 25 to WV-M 25
HA 32 to WV-M 32

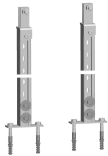
2012 818
2012 835

Wall distributors



Console for wall installation MKW-WV 40
for installing a pressure distributor
WV-M 40 on the wall
Set (2 pieces)

For wall distributors with more than
4 HA groups absolutely use console
for floor installation!



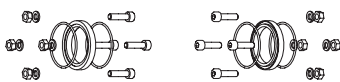
**Console for floor installation
MKB-WV 40/50**
for installing the pressure distributor
WV-M 40 or WV-M 50
supported on the floor
Set (2 pieces)

For wall distributors with up to 4 HA groups
1 set, for wall distributors with 5 or more
HA groups 2 sets necessary!



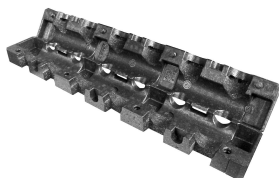
Upgrade module EW-WV-M
For wall distributors for the additional instal-
lation of an armature group. DN 20-DN 32
without thermal insulation, DN 40/50 including
thermal insulation.

EW-WV-M 20	DN 20	6013 696
EW-WV-M 25	DN 25	6046 251
EW-WV-M 32	DN 32	6046 252
EW-WV-M 40	DN 40	6015 118
EW-WV-M 50	DN 50	6015 145



Pressureless kit
For the installation in system distributors WV-M
for pressureless operation

DN 20	6012 738
DN 25	6046 341
DN 32	6046 342



Thermal insulation
EPP thermal insulation jacket for system wall
distributor WV-M 25,32. Only required for ex-
panding the system wall distributor.

Wall distributor type HA groups

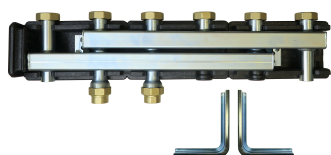
DN 25 (1")		
WV-M 25-3	For 3 HA groups	6006 956
WV-M 25-4	For 4 HA groups	6006 957
WV-M 25-5	For 5 HA groups	6008 872
WV-M 25-6	For 6 HA groups	6008 880
DN 32 (1¼")		
WV-M 32-3	For 3 HA groups	6006 958
WV-M 32-4	For 4 HA groups	6006 959
WV-M 32-5	For 5 HA groups	6008 883
WV-M 32-6	For 6 HA groups	6008 881

Part No.

6015 119

6015 120

Wall distributors



Steel pressure distributor

Wall distributor made of welded steel profiles for 2 or 3 armature groups on top (not expandable).

DN 25-DN 32 with thermal insulation, incl. supports.

Variable connections boiler-side.

Steel distributor - type HA groups

DN 25 (1")

SWV 25-2 for 2 HA groups

SWV 25-3 for 3 HA groups

6046 652

6046 653

DN 32 (1¼")

SWV 32-2 for 2 HA groups

SWV 32-3 for 3 HA groups

6046 654

6046 655



Adapter set DN 20-DN 25

for the installation of the HA group DN 20 to a wall distributor DN 25 or a connection set DN 25.

Installation height 120 mm

6013 693

Adapter fitting DN25-DN32

for the installation of the HA group DN25 to a wall distributor DN32.

6006 954

Adapter fitting DN25-DN40

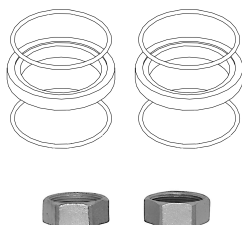
for the installation of the HA group DN25 to a wall distributor DN40.

6014 852

Adapter fitting DN25-DN50

for the installation of the HA group DN25 to a wall distributor DN50.

6014 864



Adapter set DN32-DN25

for the installation of the HA group DN32 to a wall distributor DN25.

6006 953

Adapter set DN32-DN25

for the installation of the HA group DN32 to a connection set DN25.

6007 191



Adapter fitting DN32-DN40

for the installation of the HA group DN32 to a wall distributor DN40 or a connection set AS40-S/NT/ HT.

6014 863



Adapter fitting DN32-DN50

for the installation of the HA group DN32 to a wall distributor DN50.

6014 865



Adapter fitting DN40-DN50

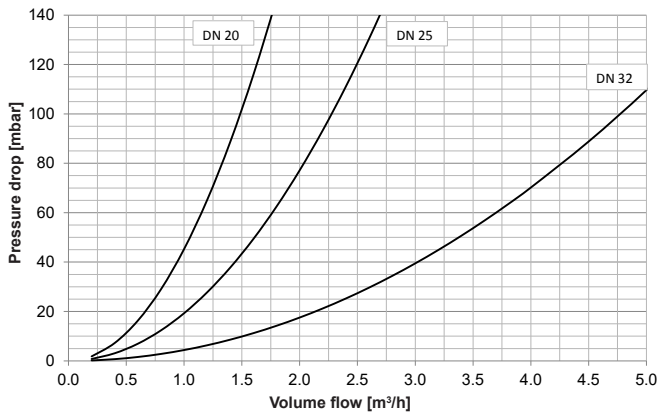
for the installation of the HA group DN40 to a wall distributor DN50.

6014 866

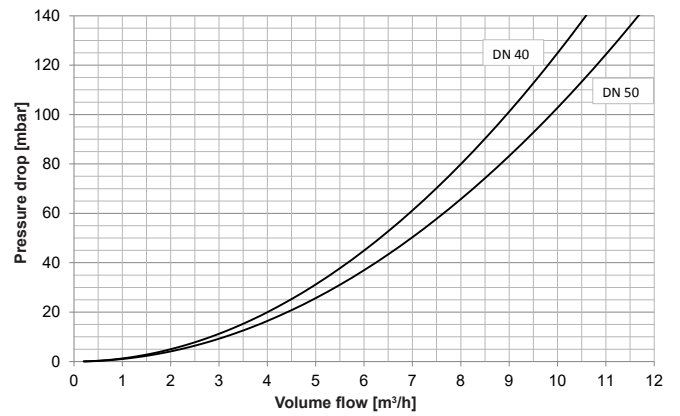
Pressure drop heating armature groups

HA-2 heating circuit without mixer

DN 20, DN 25, DN 32

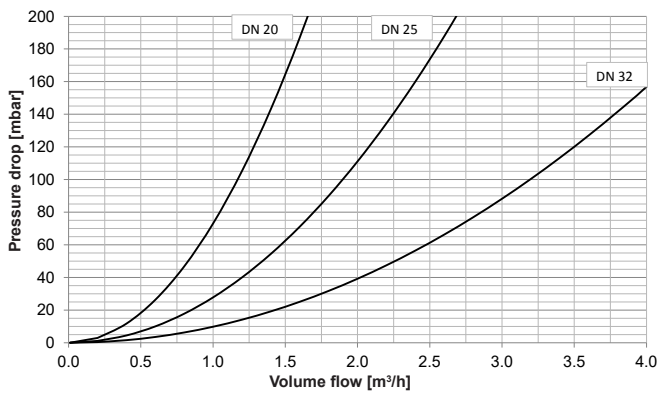


DN 40, DN 50

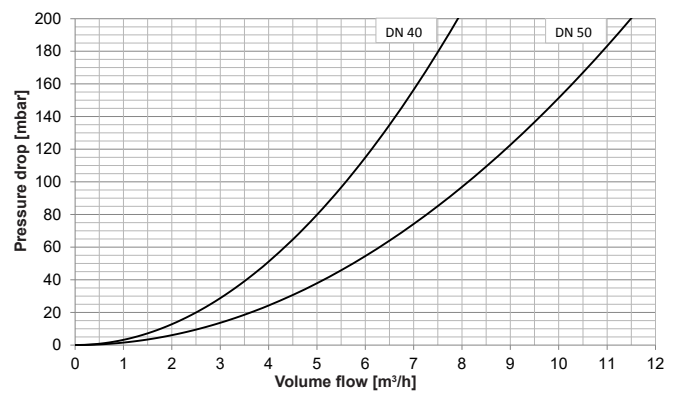


HA-3 heating circuit with mixer

DN 20, DN 25, DN 32

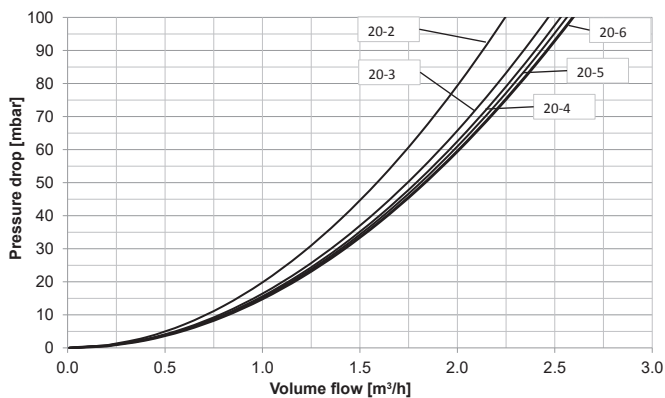


DN 40, DN 50

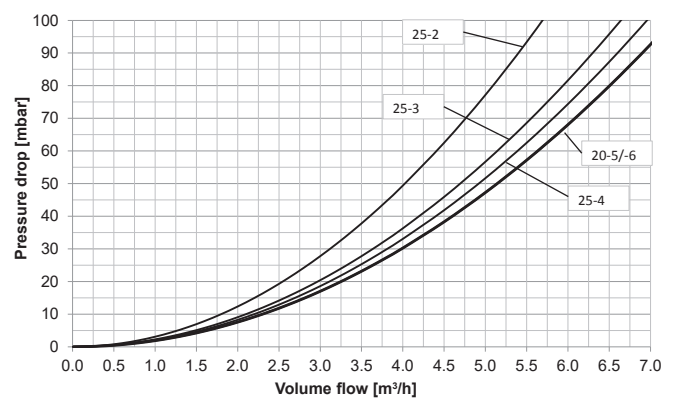


Pressure drop system wall distributor

WV-M 20-2,-3,-4,-5,-6

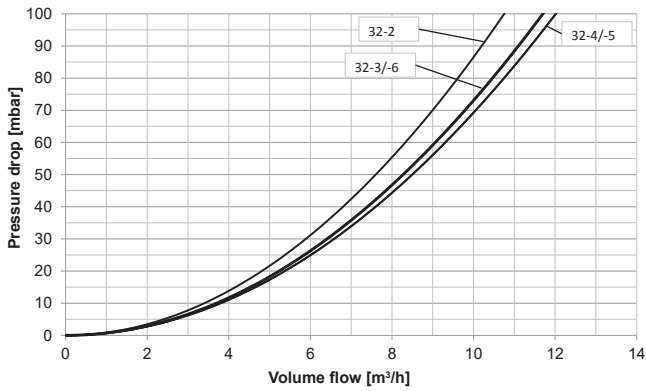


WV-M 25-2,-3,-4,-5,-6/WV-S 25-2/3

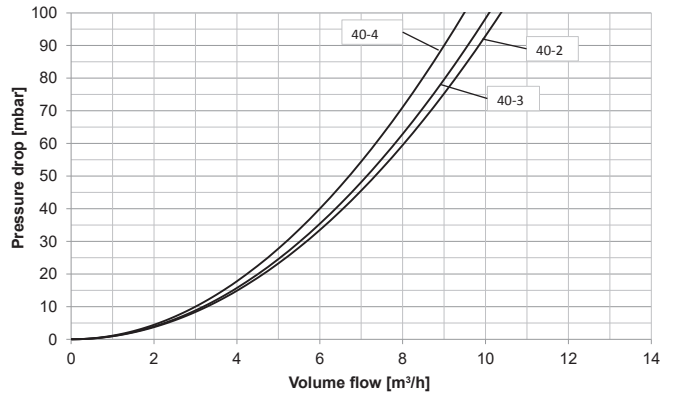


Pressure drop system wall distributor

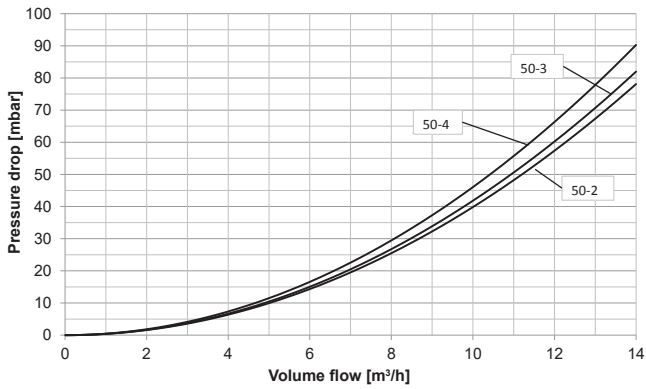
WV-M 32-2,-3,-4,-5,-6



WV-M 40-2,-3,-4

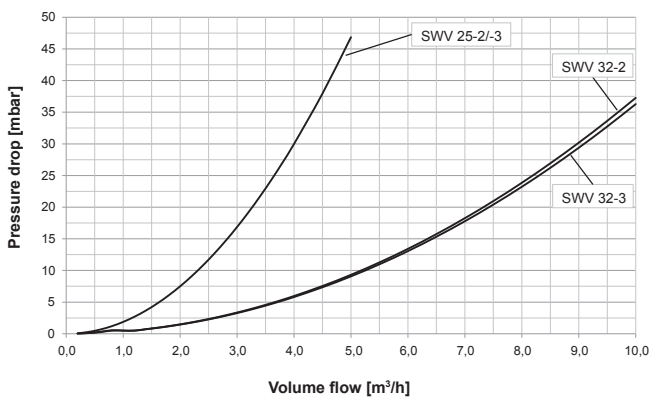


WV-M 50-2,-3

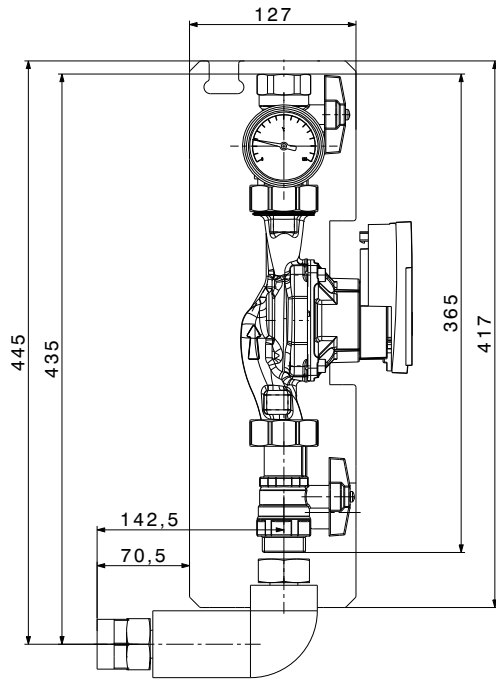


Pressure drop steel pressure distributor

SWV 25-2, -3

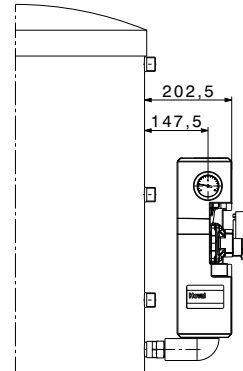


Loading group LG25-2 Compact

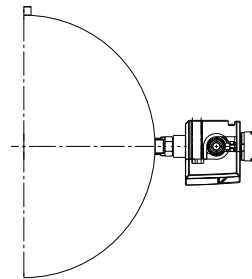


Example loading group LG25-2 Compact
installed at calorifier

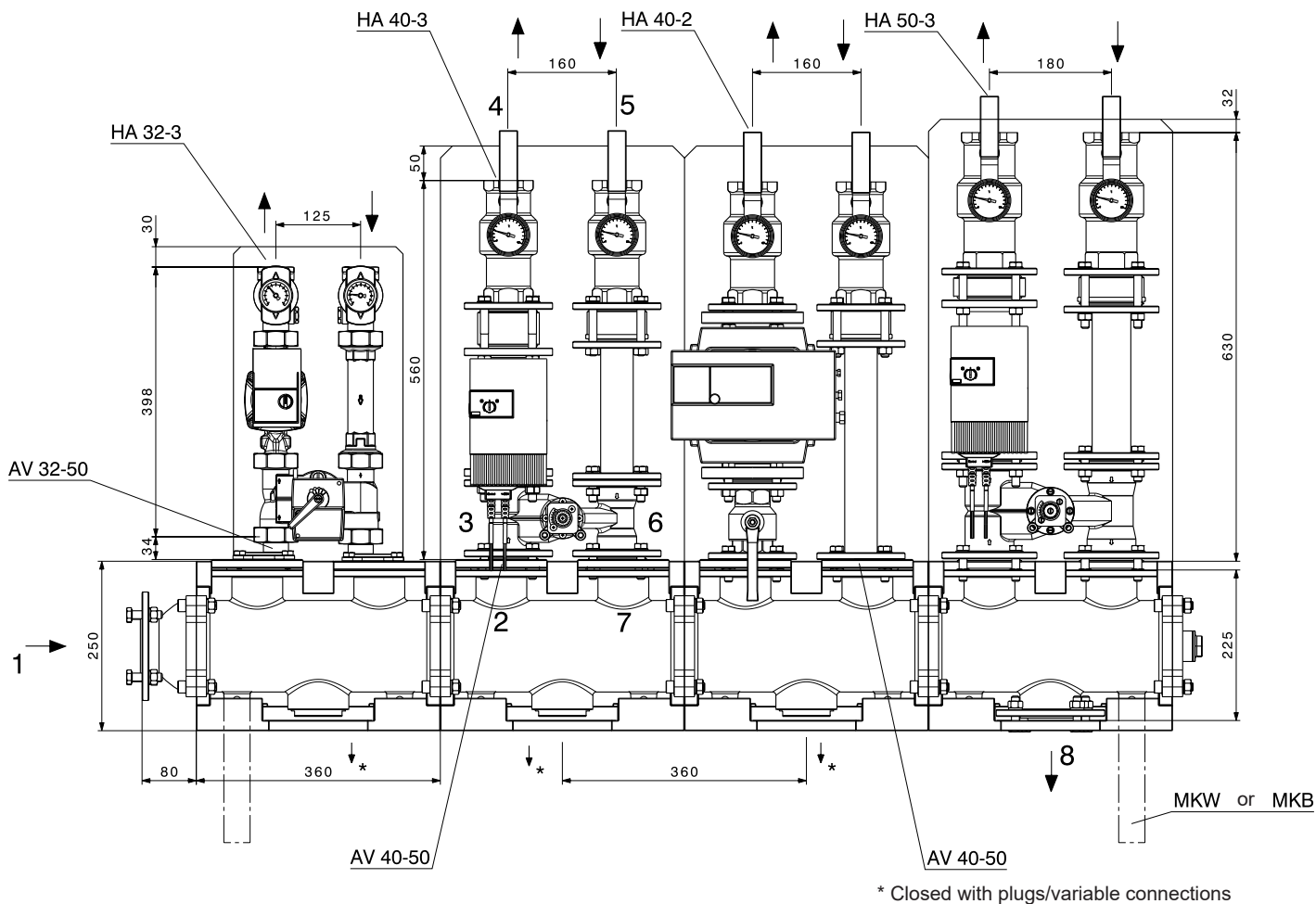
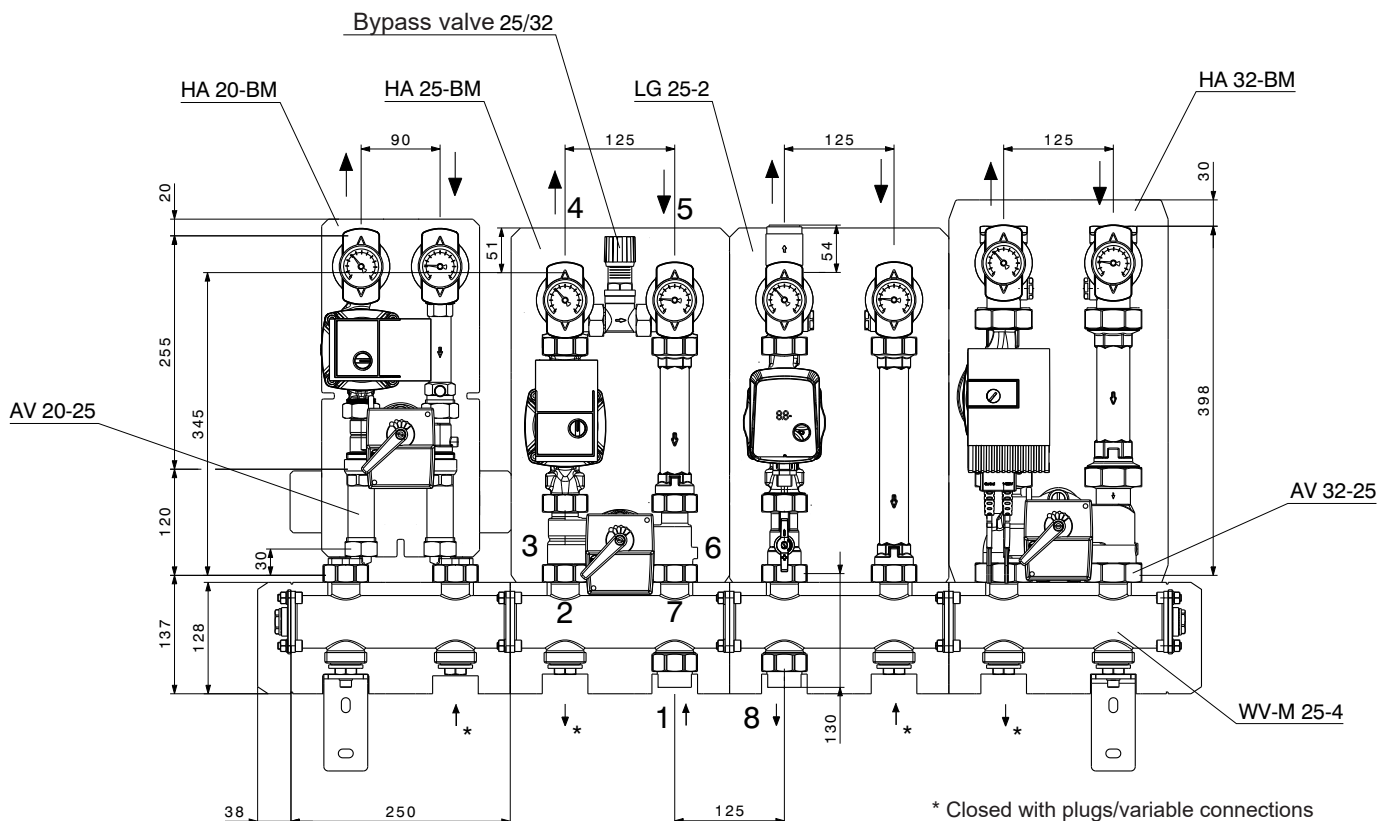
Side view



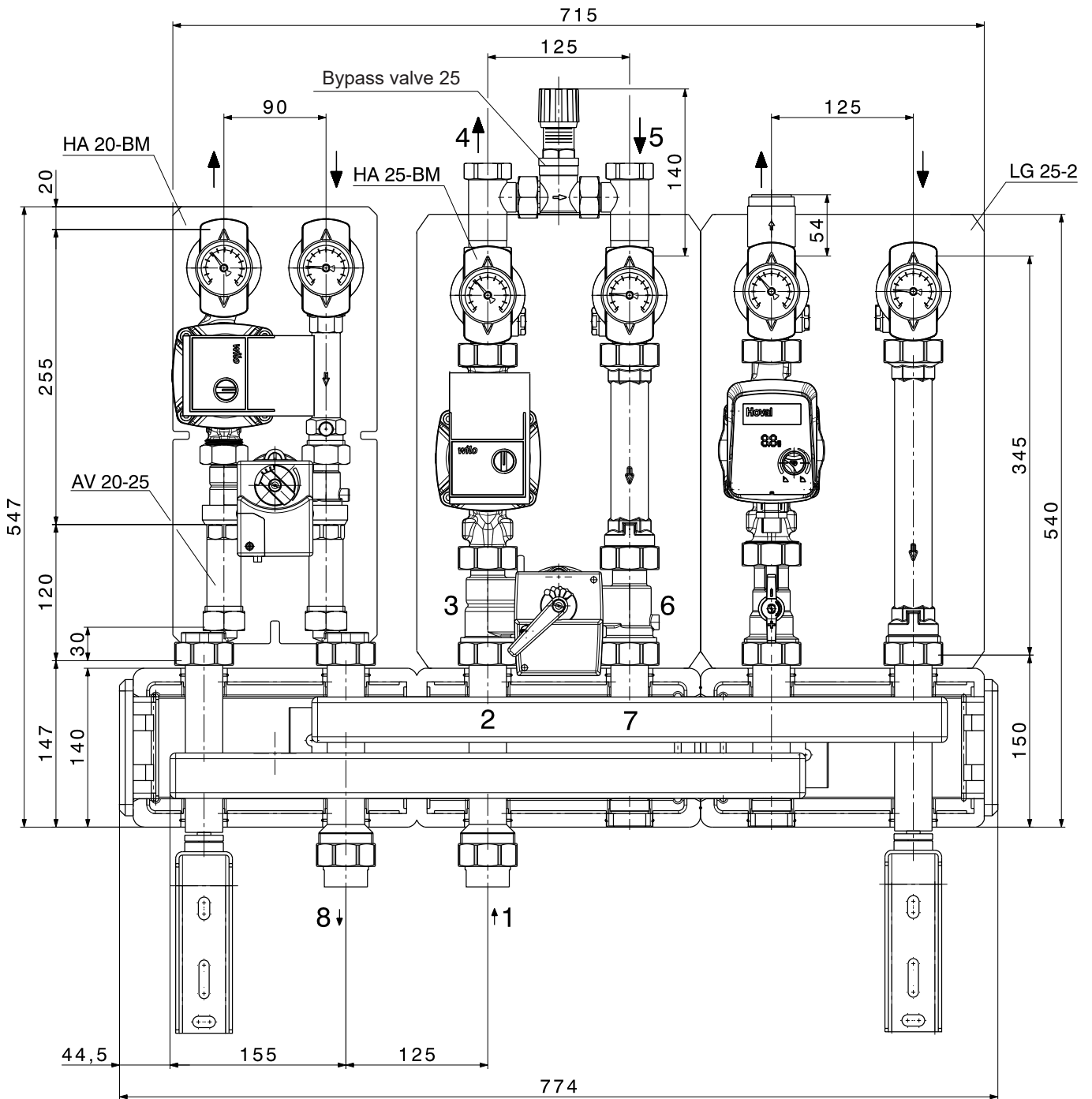
View from above



System wall distributor WV and heating armature groups for boiler or wall installation
with heating armature group HA or charging group LG



Steel pressure distributor SWV and heating armature groups for boiler or wall installation
with heating armature group HA or charging group LG



Heating armature groups

Type	Notation	Max. pressure [bar]	Max. temp. [°C]	kvs value [m³/h]	Dimension between centre lines [mm]	Installation height without insulation [mm]	Installation width including insulation [mm]	Height of insulation [mm]	Primary 3 flow - 6 return	Secondary 4 flow - 5 return	Overall pump dimensions [connection x mm]
LG/HA 20-2	Loading group to calorifier or heating circuit without mixer	6	110	4.7	90	255	180	385	G 1"	Rp ¾"	1" x 130
LG/HA 25-2				7.2	125	340	250	383	G 1½"	Rp 1"	1½" x 180
LG/HA 32-2				15.1	125	400	250	441	G 2"	Rp 1¼"	2" x 180
HA 40-2				28.3	160	560	320	610	DN 40/PN 6	Rp 1½"	DN 40/PN 6 x 250
HA 50-2	Heating circuit with mixer	6	110	31.2	180	630	360	660	DN 50/PN 6	Rp 2"	DN 50/PN 6 x 280
HA 20-3B...				3.7	90	255	180	385	G 1"	Rp ¾"	1" x 130
HA 25-3B...				6.0	125	340	250	383	G 1½"	Rp 1"	1½" x 180
HA 32-3B...				10.1	125	400	250	441	G 2"	Rp 1¼"	2" x 180
HA 40-3B...				17.7	160	560	320	610	DN 40/PN 6	Rp 1½"	DN 40/PN 6 x 250
HA 50-3B...				25.7	180	630	360	660	DN 50/PN 6	Rp 2"	DN 50/PN 6 x 280

Heating wall distributors

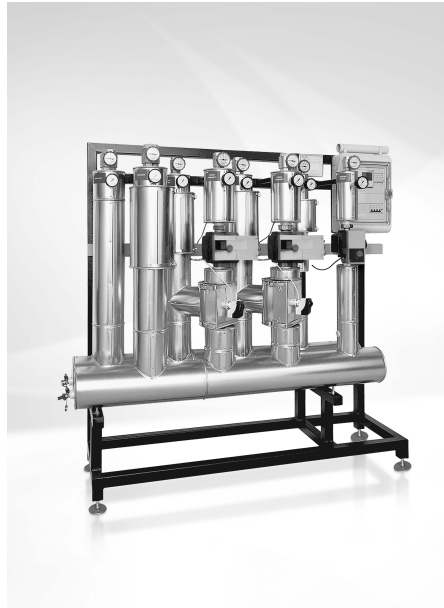
Type	Notation	Max. pressure [bar]	Max. temp. [°C]	kvs value [m³/h]	Dimension betw. centre lines [mm]	Installation height without insulation [mm]	Installation width including insulation [mm]	Height of insulation [mm]	Primary 1 flow - 8 return	Secondary 2 flow - 7 return
WV-M 20-2	Heating wall distributor	6	110	7.1	90	80	440	85	Rp ¾"	G 1"
WV-M 20-3				7.8			620			
WV-M 25-2				16.0	125	128	625	137	Rp 1"	G 1½"
WV-M 25-3				21.0			875			
WV-M 32-2				34.0	125	156	625	156	Rp 1¼"	G 2"
WV-M 32-3				37.0			875			
WV-M 40-2				32.8	160	179	740	190	DN 50/PN 6	DN 40/PN 6
WV-M 40-3				31.9			1060			
WV-M 50-2				50.1	180	225	840	220	DN 65/PN 6	DN 50/PN 6

Steel pressure distributors

Type	Notation	Max. pressure [bar]	Max. temp. [°C]	kvs value [m³/h]	Dimension between centre lines [mm]	Installation height without insulation [mm]	Installation width including insulation [mm]	Height of insulation [mm]	Primary 1 flow - 8 return	Secondary 2 flow - 7 return
SWV 25-2	Heating wall distributor	6	110	23.1	125	175	524	140	Rp 1"	G 1½"
SWV 25-3							774			
SWV 32-2				51.8		215	524	184	Rp 1¼"	G 2"
SWV 32-3				52.5			774			

Hoval TransShare

- Freely configurable, flexible heating distributor in a fully welded configuration, mounted without vibration on a stand frame.
- The type of connection to the heat generator can be freely selected prior to production and is either on the left or right facing up.
- The heating distributor design can include a controller and an electric control panel. The TopTronic® E controller and all electrical field devices (drive and sensor) are then wired and ready to connect.
- For cold applications below the dew point, we offer the TransShare cold distributor with the appropriate valves, double corrosion protection coating and cold insulation.
- The system is designed and manufactured in line with the generally recognised codes of practice and is certified according to ISO 9001.
- Various hydraulic variants are possible. E.g.
 - with domestic water heating in the buffer storage principle
 - Set-up with several mixers and/or direct heating circuits
 - Set-up with two return flow collectors (high temperature and low temperature)
- Setting up with two return collectors is to be recommended if there is a high or medium-temperature heating circuit and a low-temperature heating circuit. The lower return temperature leads to higher efficiency levels in condensing boilers and a greater heat energy content in the buffer storage tank. Planning of the TransShare heating distributor is always carried out in relation to the building, and is adapted to the corresponding output values, temperatures and flow rates.
- Complete preassembly shortens installation times and minimises the amount of work involved.
- Thermal insulation in EPP or mineral wool with galvanised sheet steel.
- 3D-CAD drawing on request



TransShare with thermal insulation made of mineral wool and jacket made of galvanised sheet steel



TransShare with EPP thermal insulation

Nominal pressures up to PN 16 and maximum temperatures up to 110 °C are possible

Power values/sizes can be implemented:

Distributor	DN 32-500
Heating circuits	DN 20-250 realisable
Supply	100 - 1000 kW ^{1,2)}
Building system heating	100 - 1000 kW ^{1,2)}
Building system domestic water heating	20 - 1000 kW ^{1,2)}

¹⁾ Depends on the temperature programme

²⁾ Depends on the valve and heat exchanger used

Further information and prices
on request

