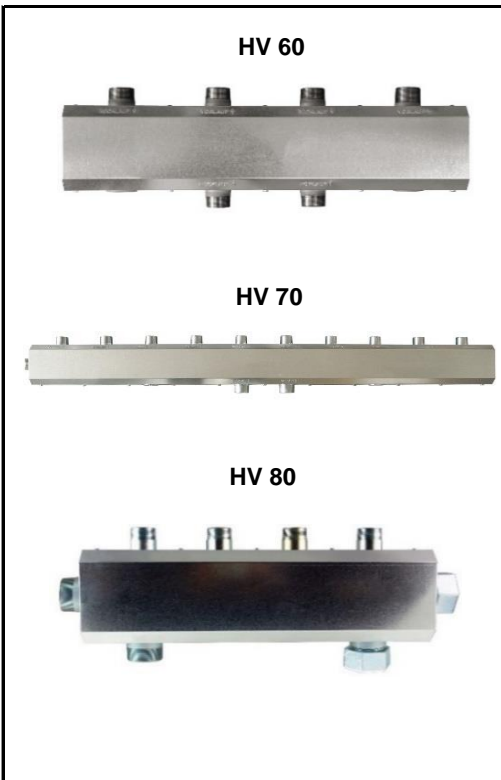


Manifolds/Collectors and Hydraulic Pressure Balancers

Manifolds/Collectors



Main Features	
Description	heating circuits connecting manifolds
Application	fitting heating circuit pump stations and connecting a heat source either directly or via a hydraulic pressure balancer; some models permit connecting also an expansion vessel or a safety assembly
Working fluid	water, antifreeze fluid for heating systems
Installation	wall support (see Accessories)
Technical Data	
Max. working temperatur.	90 °C
Max. pressure	6 bar
Pipe pitch	125 mm
Insulation	EPS
Max. flow rate	2 m ³ /h (HV 60 manifolds) 3 m ³ /h (HV 70 manifolds) 7 m ³ /h (HV 80 manifolds)
Center-to-center connection, boiler side	125 mm (for HV 60 and HV 70 manifolds)
Thermoinsulating case	110 x 110 mm (for HV 60/70 types) 152 x 152 mm (for HV 80 types)

No heat. circ.	Type	Code	Connection sizes for				Length [mm]
			heat source	pump stations	safety assembly	expansion vessels ¹⁾	
2	HV 60/125-2	9507	1" M	1"M	no conn.	no conn.	508
	HV 60/125 SG-2	9186	1 "M	1"M	1"M	3/4" F	670
	HV 80/125-2	15857	2"M	5/4"M	no conn.	no conn.	625
3	HV 60/125-3	9508	1"M	1"M	no conn.	no conn.	758
	HV 60/125 SG-3	9187	1"M	1"M	1" M	3/4" F	920
	HV 80/125-3	17230	2"M	5/4"M	no conn.	no conn.	875
4	HV 70/125-4	9509	5/4"M	1"M	no conn.	3/4" F	1008
5	HV 70/125-5	9510	5/4"M	1"M	no conn.	3/4" F	1258
6	HV 70/125-6	9511	5/4"M	1"M	no conn.	3/4" F	1508

1) and/or a drain valve (see the Connection Diagram on the next page)

Manifolds/Collectors and Hydraulic Pressure Balancers

Connection Diagram	
<p>FOR CODES 9507, 9508</p> <p>available for purchase²⁾ wall support, code 9191</p>	
<p>FOR CODES 9186, 9187</p> <p>available for purchase²⁾ wall support, code 9191 safety assembly, code 9797</p>	
<p>FOR CODES 15857, 17230</p> <p>available for purchase²⁾ wall support, code 17599</p>	<p>Heat source can be connected from the left or right hand side (see pic.)</p>
<p>FOR CODES 9509,9510,9511</p>	

2) see the Accessories table on the last page

Key **T - flow**
Z - return

Manifolds/Collectors and Hydraulic Pressure Balancers

Hydraulic Pressure Balancers

HW 60 - horizontal installation



HW 80 - vertical installation



Main Features

Description	pressure balancer for primary and secondary circuits
Application	it makes possible balancing different flow rates through pump stations and a boiler; it is used to connect a boiler equipped with its own circulation pump to a manifold; it is not intended to connect a manifold to a thermal store
Working fluid	water, antifreeze fluid for heating systems
Installation	wall support (see Accessories)

Technical Data

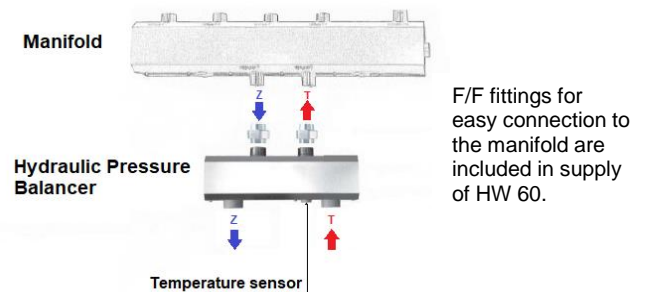
Max. working temperatur.	90°C
Max. working pressure	6 bar
Insulation	EPS
Thermoinsulating case	110 x 110 mm (for HW 60 type) 150 x 150 mm (for HW 80 type)

Type	Center-to-center pipe distance		Connection		Max. flow rate	For manifold (collector)	Code
	to manifold	to boiler	to manifold	to boiler			
HW 60/125 G 1"	125 mm	250 mm	1" M	1" F	2m ³ /h	for HV 60	9188
HW 60/125 G 5/4"	125 mm	250 mm	5/4" M	5/4" F	3 m ³ /h	for HV 70	9514
HW 80/570 G 2"	570 mm	470 mm	2" M	2" M	8 m ³ /h	for HV 80	17598

Connection Diagram

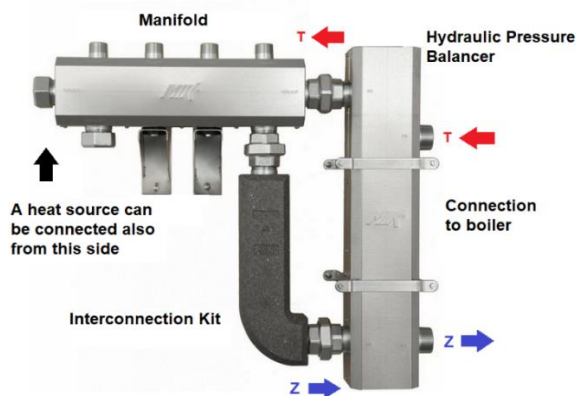
FOR CODES 9188, 9514

available for purchase ²⁾
wall support, code 9190



FOR CODE 17598

available for purchase ²⁾
wall support, code 16133
interconnection kit, code 17612



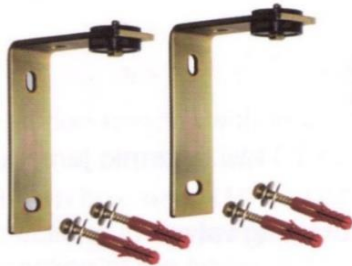
²⁾ see the Accessories table on the last page

Key **T - flow**
Z - return

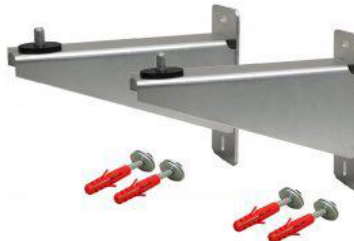
Manifolds/Collectors and Hydraulic Pressure Balancers

Accessories (not included in supply)

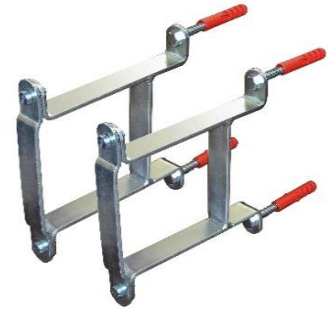
code 9191



code 17599



code 16133,9190



code 9797



code 17612



Name	Description	Code
L-HV 100-150	Wall Support for HV 60 Manifolds: A pair of supports for wall mount of a manifold, distance between a wall and centre of the manifold is 100 mm.	9191
WK 80/160	Wall Support for HV 80 Manifolds: A pair of supports for wall mount of a manifold, distance between a wall and centre of the manifold is 160 mm.	17599
H-HV 100	Wall Support for hydraulic pressure balancers: A pair of supports for wall mount of a hydraulic pressure balancer; distance between a wall and centre of the HVDT is 100 mm.	9190
H-HV 160	Wall Support for hydraulic pressure balancers: A pair of supports for wall mount of a hydraulic pressure balancer; distance between a wall and centre of the HVDT is 160 mm.	16133
Safety Assembly for Manifolds	Safety assembly for manifolds for 2-3 heating circuits: Consisting of a 3 bar safety valve, 12 bar air vent valve, 2 non-return valves, pressure gauge 0-4 bar, support, EPS insulation.	9797
Interconnection Kit for HV 80, HW 80	Interconnection Kit for HV 80 Manifold/Collector and HW 80 Hydraulic Pressure Balancer, containing a 2" connecting pipe w. polystyrene insulation and nipples.	17612