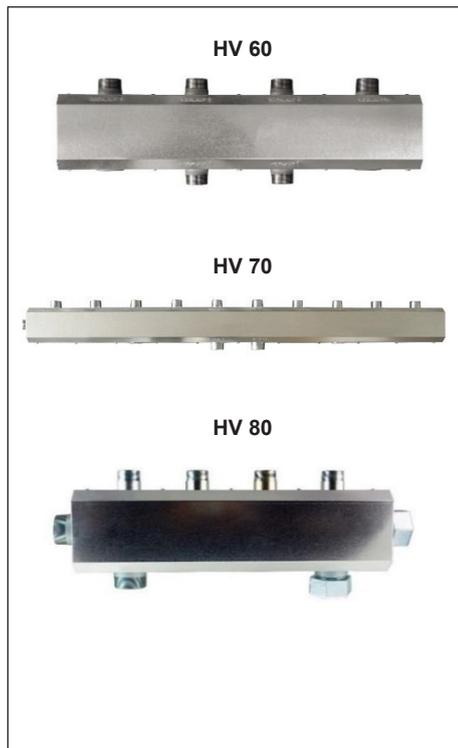


DATA SHEET

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 temperature	90 °C
Max. pressure	6 bar
Pipe pitch	125 mm
Insulation	EPS + galvanized steel sheet
Materials	Steel S235
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 type)

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).

DATA SHEET

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>FOR CODES 9509, 9510, 9511</p>	

²⁾ See the Accessories table on the last page.

Key **T** – flow
Z – return

DATA SHEET

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 temperature	90 °C
Max. working pressure	6 bar
Insulation	EPS + galvanized steel plate
Materials	Steel S235
Thermoinsulating case	110 x 110 mm (for HV 60 type)
	150 x 150 mm (for HV 80 type)

Type	Center-to-center pipe distance		Connection		Max. flow rate	For manifold (collector)	Length (mm)	Code
	to manifold	to boiler	to manifold	to boiler				
HW 60/125 G 1"	125 mm	250 mm	1" M	1" F	2 m ³ /h	for HV 60	381	9188
HW 60/125 G 5/4"	125 mm	250 mm	5/4" M	5/4" F	3 m ³ /h	for HV 70	381	9514
HW 80/570 G 2"	570 mm	470 mm	2" M	2" M	8 m ³ /h	for HV 80	778	17598

Connection Diagram

FOR CODES 9188, 9514 available for purchase ²⁾ wall support, code 9190	<p>F/F fittings for easy connection to the manifold are included in supply of HW 60.</p>
FOR CODE 17598 available for purchase ²⁾ wall support, code 16133 interconnection kit, code 17612	<p>A heat source can be connected also from this side</p> <p>A heat source can be connected also from the other side of the manifold (using the interconnection kit), see Pic.</p>

²⁾ See the Accessories table on the last page.

Key **T** – flow
Z – return

DATA SHEET

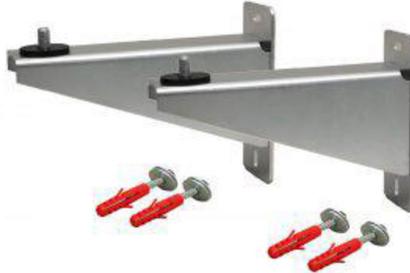
Manifolds/Collectors and Hydraulic Pressure Balancers

Accessories (not included in supply)

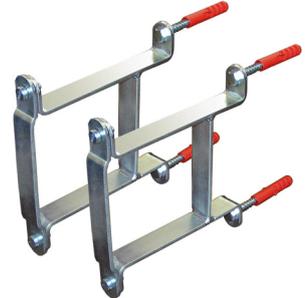
code 9191



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, 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