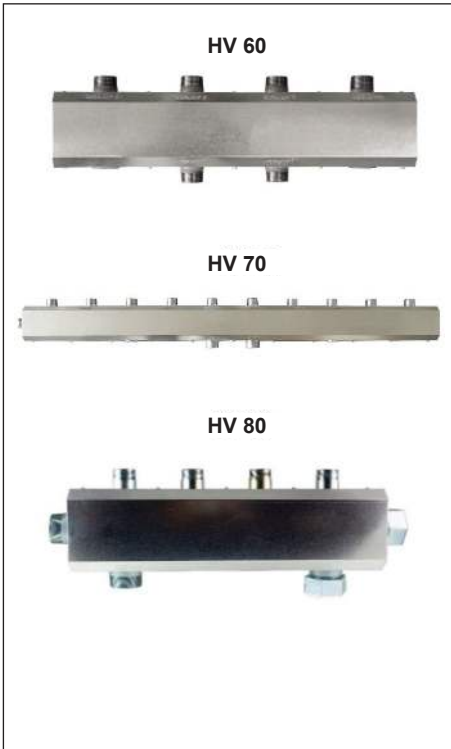


DATA SHEET

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



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) | 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 | 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

| | |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>FOR CODES 9188, 9514</p> <p>available for purchase²⁾ wall support, code 9190</p> | <p>F/F fittings for easy connection to the manifold are included in supply of HW 60.</p> |
| <p>FOR CODE 17598</p> <p>available for purchase²⁾ wall support, code 16133 interconnection kit, code 17612</p> | <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

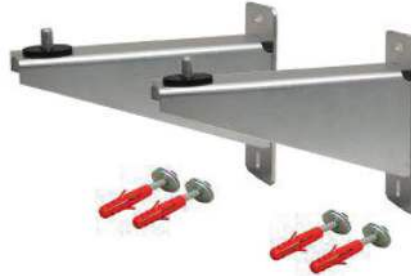
Manifolds/Collectors and Hydraulic Pressure Balancers

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 |