

Tender specification:

Stainless steel distributor/collector “Multidis SF” for surface heating and cooling systems, with valve inserts M 30 x 1.5 convertible to thermostatic operation and integrated flow measuring and regulating devices, pre-assembled.

Stainless steel flow distributor (1.4301) with integrated flow measuring and regulating devices or valve inserts M 30 x 1.5 convertible to thermostatic operation, nickel plated nipples with G 3/4 male threaded connection according to DIN EN 16313 (cone “Euro”) for Oventrop compression fittings, nickel plated collar nut with G 1 female thread for the direct connection of a flat sealing ball valve, nickel plated fill and drain valve with rotating connection for DN 15 hose connection, e.g. item no. 1034552, and nickel plated blind plug G 3/4.

Stainless steel return collector (1.4301) with valve inserts M 30 x 1.5 convertible to thermostatic operation or integrated flow measuring and regulating devices, nickel plated nipples with G 3/4 male threaded connection according to DIN EN 16313 (cone “Euro”) for Oventrop compression fittings, nickel plated collar nut with G 1 female thread for the direct connection of a flat sealing ball valve, nickel plated fill and drain valve with rotating connection for DN 15 hose connection, e.g. item no. 1034552, and nickel plated blind plug G 3/4.

Brackets made of galvanised steel for the installation of the distributor/collector into the cabinet or onto the wall are included. The sound insulation of the brackets corresponds to DIN 4109, sound insulation in building construction.

Models:

Stainless steel distributor/collector “Multidis SF” with flow measuring and regulating devices
0 – 5 l/min. in the flow distributor

Stainless steel distributor/collector “Multidis SF” with flow measuring and regulating devices
1 – 4 l/min. in the return collector

Technical data:

See below table “Summary stainless steel distributors/collectors “Multidis SF””

Tender specification:

Stainless steel distributor/collector “Multidis SF” for surface heating and cooling systems, with valve inserts M 30 x 1.5 convertible to thermostatic operation and integrated regulating inserts, pre-assembled.

Stainless steel flow distributor (1.4301) with integrated regulating inserts, other details like item no. 14053/5152-62.

Stainless steel return collector (1.4301) with valve inserts M 30 x 1.5 convertible to thermostatic operation, other details like item no. 14053/5152-62.

Brackets like item no. 14053/5152-62.

Models:

Stainless steel distributor/collector “Multidis SF” with regulating inserts in the flow distributor

Technical data:

See below table “Summary stainless steel distributors/collectors “Multidis SF””

Item no.:

1405352 - 62

with flow measuring and regulating devices

0 – 5 l/min. in the flow distributor

1405152 - 62

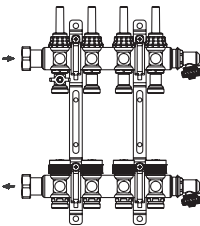
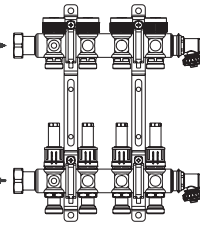
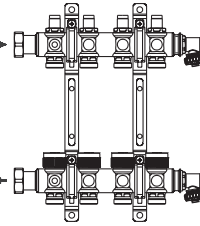
with flow measuring and regulating devices

1 – 4 l/min. in the return collector

Item no.:

1405552 - 62

with regulating inserts in the flow distributor

Article	Item no.	Circuits	Technical data
 <p>“Multidis SF” Stainless steel distributor/collector for surface heating and cooling systems, with flow measuring and regulating devices 0 – 5 l/min. in the flow distributor</p>	1405352	2	Max. operating temperature t_s : +80 °C Min. operating temperature t_s : -10 °C Max. operating pressure p_s : 600 kPa (6 bar) Max. differential pressure: 100 kPa (1 bar) k_{VS} value: 1.1 m ³ /h Measuring range: 0 – 5 l/min.
	1405353	3	
	1405354	4	
	1405355	5	
	1405356	6	
	1405357	7	
	1405358	8	
	1405359	9	
	1405360	10	
	1405361	11	
	1405362	12	
	 <p>“Multidis SF” Stainless steel distributor/collector for surface heating and cooling systems, with flow measuring and regulating devices 1 – 4 l/min. in the flow distributor</p>	1405152	
1405153		3	
1405154		4	
1405155		5	
1405156		6	
1405157		7	
1405158		8	
1405159		9	
1405160		10	
1405161		11	
1405162		12	
 <p>“Multidis SF” Stainless steel distributor/collector for surface heating and cooling systems, with regulating inserts in the flow distributor</p>		1405552	2
	1405553	3	
	1405554	4	
	1405555	5	
	1405556	6	
	1405557	7	
	1405558	8	
	1405559	9	
	1405560	10	
	1405561	11	
	1405562	12	

Summary stainless steel distributors/collectors “Multidis SF”

**“Multidis SF” Stainless steel distributors/collectors
for surface heating and cooling systems**

Stainless steel distributor/collector “Multidis SF”	Item no.	Circuits	Length (L)	Length (L) with ball valve 1406383	Length (L) with ball valve 1406384
	1405352	2	168 mm	223 mm	248 mm
	1405353	3	218 mm	273 mm	298 mm
	1405354	4	268 mm	323 mm	348 mm
	1405355	5	318 mm	373 mm	398 mm
	1405356	6	368 mm	423 mm	448 mm
	1405357	7	418 mm	473 mm	498 mm
	1405358	8	468 mm	523 mm	548 mm
	1405359	9	518 mm	573 mm	598 mm
	1405360	10	568 mm	623 mm	648 mm
	1405361	11	618 mm	673 mm	698 mm
	1405362	12	668 mm	723 mm	748 mm
		1405152	2	168 mm	223 mm
1405153		3	218 mm	273 mm	298 mm
1405154		4	268 mm	323 mm	348 mm
1405155		5	318 mm	373 mm	398 mm
1405156		6	368 mm	423 mm	448 mm
1405157		7	418 mm	473 mm	498 mm
1405158		8	468 mm	523 mm	548 mm
1405159		9	518 mm	573 mm	598 mm
1405160		10	568 mm	623 mm	648 mm
1405161		11	618 mm	673 mm	698 mm
1405162		12	668 mm	723 mm	748 mm
		1405552	2	168 mm	223 mm
	1405553	3	218 mm	273 mm	298 mm
	1405554	4	268 mm	323 mm	348 mm
	1405555	5	318 mm	373 mm	398 mm
	1405556	6	368 mm	423 mm	448 mm
	1405557	7	418 mm	473 mm	498 mm
	1405558	8	468 mm	523 mm	548 mm
	1405559	9	518 mm	573 mm	598 mm
	1405560	10	568 mm	623 mm	648 mm
	1405561	11	618 mm	673 mm	698 mm
	1405562	12	668 mm	723 mm	748 mm

Dimensions stainless steel distributors/collectors “Multidis SF”

Ball valves	Item no.	Size	D	L1	L2
	1406383	DN 20	G 3/4	55 mm	57 mm
	1406384	DN 25	G 1	80 mm	60 mm
	1406483 (with thermometer and red T-handle)	DN 20	G 3/4	73 mm	60 mm
	1406583 (with thermometer and blue T-handle)	DN 20	G 3/4	73 mm	60 mm
	1406484 (with thermometer and red T-handle)	DN 25	G 1	85 mm	60 mm
	1406584 (with thermometer and blue T-handle)	DN 25	G 1	85 mm	60 mm

Dimensions ball valves

Application:

Stainless steel distributors/collectors “Multidis SF”

The stainless steel distributors/collectors “Multidis SF” are designed for surface heating and cooling systems with circulation pump.

The risers can be connected from either the left or right hand side.

The brackets allow for the fixing of the distributor/collector into the cabinet or directly onto the wall. The flat sealing ball valves are directly connected to the collar nuts (G 1 female thread) of the distributors/collectors. The surface heating/cooling circuit connections have a G ¾ male thread according to DIN EN 16313 (cone “Euro”).

When using a heat meter, its lengths have to be taken into consideration when choosing the cabinet. To enlarge the depth of the cabinet, the frame and the door have to be pulled out.

Oventrop offers suitable compression fittings for all types of pipe, for instance composition pipes “Copipe”, PE-Xc pipes “Copert”, PE-RT pipes “Copert” and copper pipes.

The installation instructions are to be observed.

Function:

Stainless steel distributors/collectors “Multidis SF”

The Oventrop stainless steel distributors/collectors “Multidis SF” allow for the central distribution of heating/cooling water to the different circuits of each dwelling.

It is recommended to equip the stainless steel distributors/collectors “Multidis SF” with ball valves. They allow for the isolation of the supply and return pipe, for instance for maintenance work.

For filling, flushing and bleeding of the surface heating/cooling circuits, the stainless steel distributors/collectors “Multidis SF” are equipped with fill and drain valves with connection for a DN 15 hose connection.

When choosing the operating fluid, the latest technical status has to be considered (e.g. VDI 2035 - Avoidance of damage to hot water heating systems).

Together with electrothermal actuators and room thermostats which are available as accessories, the valves inserts M 30 x 1.5 which are convertible to thermostatic operation, can be used for individual room temperature control (see catalogue “Products”, product range 2).

As for the stainless steel distributors/collectors, item no. 1405352-62 and 1405152-62, hydronic balancing is carried out with the help of the integrated flow measuring and regulating devices. The calculated flow rate is set with the help of a key (item no. 1405352-62) or a locking sleeve (item no. 1405152-62). The set value can be read off at a sight glass. The distributors/collectors item no. 1405352-62 allow for a reproducible presetting.

As for the stainless steel distributors/collectors, item no. 1405552-62, hydronic balancing is carried out with the help of the regulating inserts integrated in the flow distributor. Regulation is carried out according to the chart on page 3. The calculated flow rate is set at the concealed stem. A reproducible presetting is possible.

Advantages:

Stainless steel distributors/collectors “Multidis SF”

- all components from one supplier
- time-saving installation due to pre-assembled distributors/collectors, no sealing required
- hydronic balancing and regulation of the heating and cooling system can be carried out at the compact, central distributor/collector
- long-life stainless steel distributors/collectors guarantee a high quality standard
- corrosion resistant
- good hydronic values
- low installation depth even with electrothermal actuators
- optional connection of a heat meter for the central registration of the heat consumption
- the Oventrop “Combi-System” with the composition pipes “Copipe”, press fittings “Cofit P/PD” and screwed fittings “Cofit S” allows for a fast and safe connection of the distributor/collector “Multidis SF” to the risers
- the Oventrop programme includes composition pipes “Copipe”, PE-Xc pipes “Copex”, PE-RT pipes “Copert”, as well as suitable connection fittings for the surface heating and cooling circuits

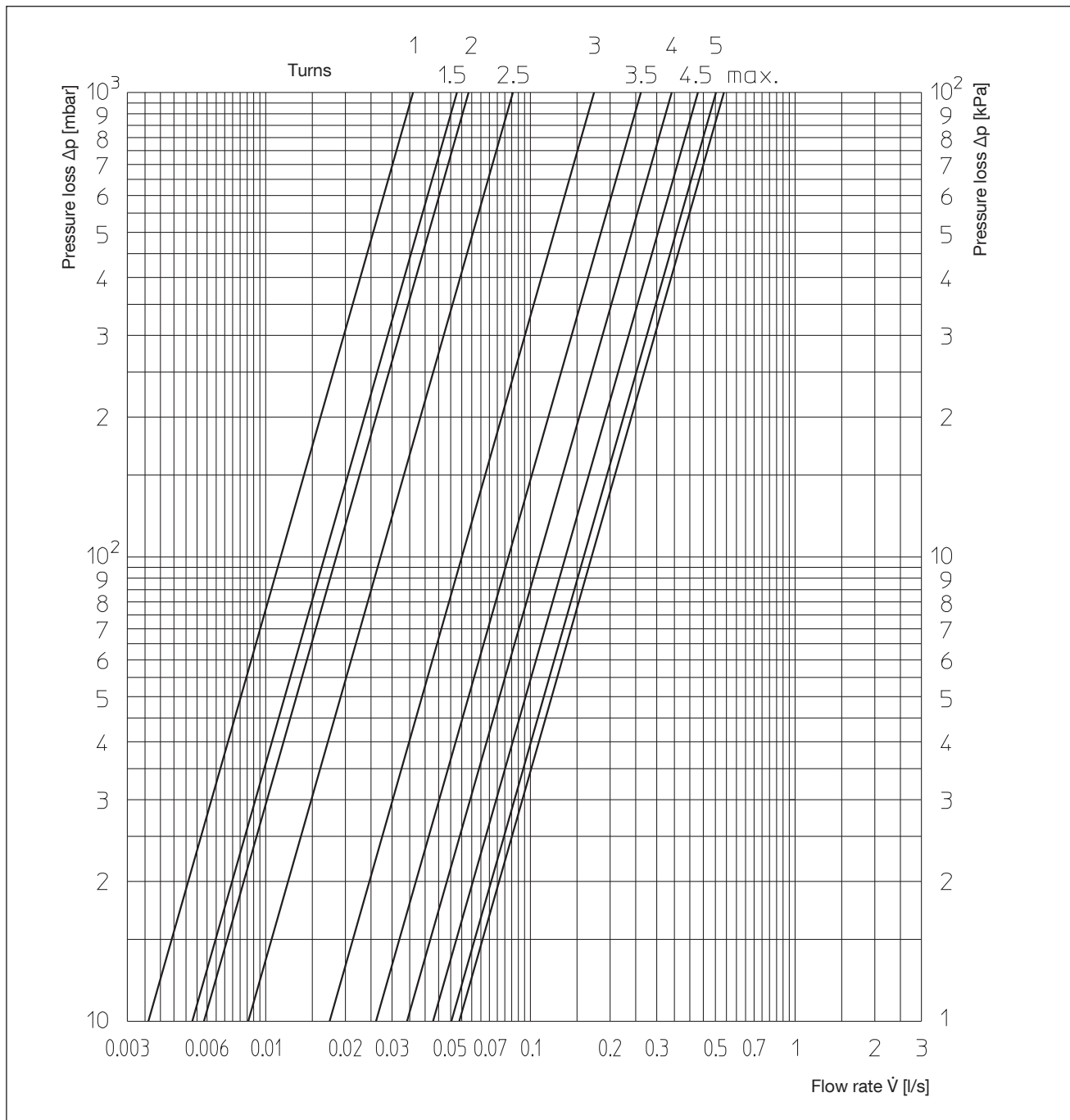


Chart for stainless steel/distributor collector “Multidis SF” with regulating inserts, item no. 1405552-62

Subject to technical modifications without notice.

Product range 2
ti 354-EN/10/MW
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