

Description:

The Oventrop isolating and orifice valves “Hydrocontrol ATR/APR” PN 16/25 are installed in the pipework of hot water central heating and cooling systems and allow the isolation of the various circuits of the system.

The Oventrop isolating and orifice valves have two threaded ports for fill and drain ball valves. The valves are delivered with two blind plugs.

The isolating and orifice valves may be installed in either the supply or the return pipe.

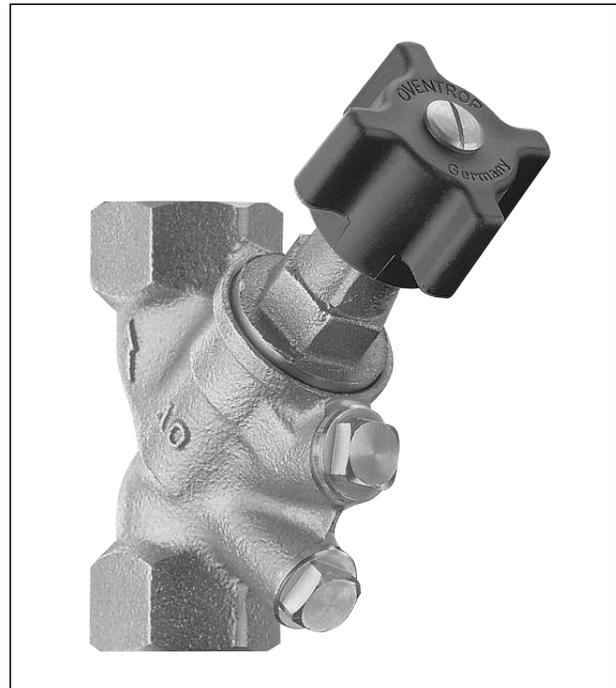
Copper pipes (according to DIN EN 1057) can be connected to the female thread DN 15 and DN 20 with the help of the corresponding compression fittings “Ofix” (reinforcing sleeves are to be used!).

When installing the valve it must be ensured that the direction of flow conforms to the direction of the arrow on the valve body.

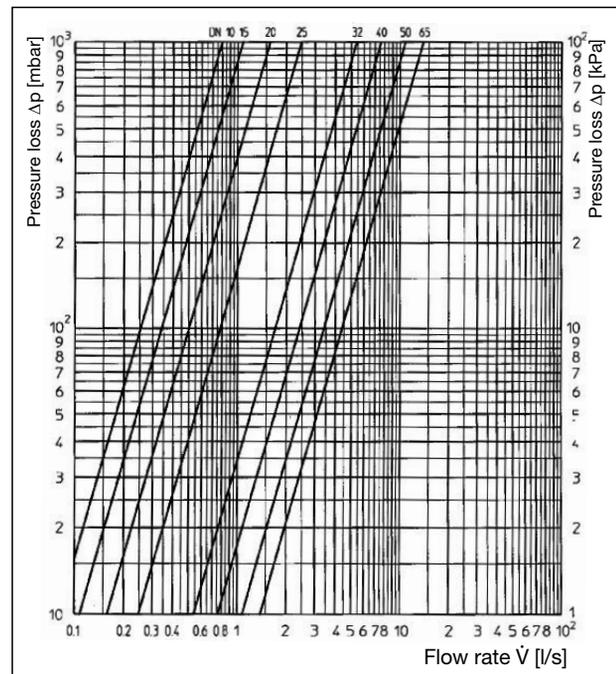
The indicated kvs values are valid for the installation of the isolating and orifice valves in the supply or the return pipe, provided the direction of flow conforms to the direction of the arrow on the valve body.

Advantages:

- the location of the functional components in one plane allows a simple assembly and easy operation
- only one valve for 3 functions:
 - isolating
 - filling
 - draining
- the supply and the return pipe can be marked by use of the colour rings supplied with each valve
- low pressure loss (oblique pattern)
- threads according to EN 10226 (BS 21), suitable for Oventrop compression fittings (1027151-58) for copper pipes up to a max. diameter of 22 mm and Oventrop composition pipe “Copipe”
- fill and drain ball valve with internal stop and pressure test point with O-ring seal between valve body and test point (no additional seals required)



“Hydrocontrol ATR”



Flow chart item no. 10675/76

“Hydrocontrol ATR/APR” Isolating and orifice valve both ports with female thread according to EN 10226 (BS 21)

Tender specification:

Oventrop isolating and orifice valves “Hydrocontrol ATR/APR” PN 25 (DN 65 and press connection PN 16) for central heating and cooling systems, not suitable for steam. Colour rings for marking of supply and return pipe. Valve body (oblique pattern) and bonnet made of bronze, disc and stem made of brass resistant to dezincification (DZR), disc with PTFE seal, maintenance-free stem seal due to double O-ring, all functional components in one plane, blind plugs and fill and drain ball valve interchangeable, installation in the supply or the return pipe.

“Hydrocontrol ATR” DN 10 up to DN 50 with type approval certificate for shipbuilding.

Technical data:

Max. operating temperature t_s : +150°C
(press connection: +120°C)

Min. operating temperature t_s : -20°C

Max. operating pressure p_s : 25 bar (PN 25)
(female thread, DN 10-DN 50)
PN 16 (16 bar)
(press connection, DN 65)

Models:

“Hydrocontrol ATR”

both ports female thread according to EN 10226 (BS 21), with threaded ports for accessories sets (closed with blind plugs)

Size	kvs	Item no.
DN 10	2.88	1067503
DN 15	3.88	1067504
DN 20	5.71	1067506
DN 25	8.89	1067508
DN 32	19.45	1067510
DN 40	27.51	1067512
DN 50	38.78	1067516
DN 65	50.00	1067520

“Hydrocontrol APR”

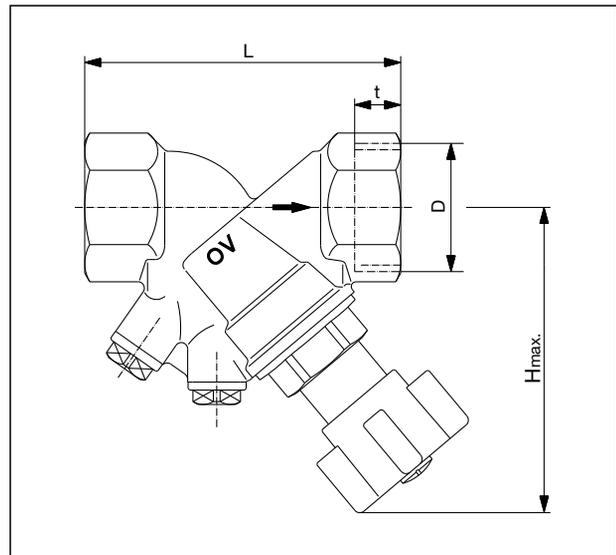
both ports press connection, with threaded ports for accessories sets (closed with blind plugs)

Size	kvs		Item no.
DN 15	2.88	15 mm	1067551
DN 15	3.88	18 mm	1067552
DN 20	5.71	22 mm	1067554
DN 25	8.89	25 mm	1067556
DN 32	19.49	35 mm	1067558
DN 40	27.51	42 mm	1067560
DN 50	38.78	54 mm	1067562

For the direct connection of copper pipes according to EN 1057/DVGW GW 392, stainless steel pipes according to EN 10088/DVGW 541 and thin-walled C-steel pipes (material no. E 195/1.0034) according to EN 10305-3. Pressing must be carried out to tighten the connection. Only use press jaws with the original contours SANHA (SA), Geberit-Mapress (MM) or Viega (Profipress). Processing must be carried out according to the installation instructions.

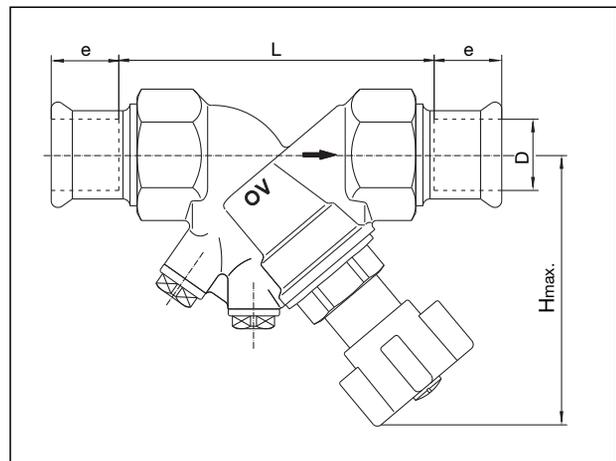
Accessories sets:

	Item no.
1 fill and drain ball valve	1060191
1 extension for accessories sets (80 mm)	1060295
1 extension for accessories sets (40 mm)	1688295



DN	D DIN EN 10226	t	L	Hmax.	SW*
10	Rp 3/8	10.1	73	98	27
15	Rp 1/2	13.2	80	98	27
20	Rp 3/4	14.5	84	100	32
25	Rp 1	16.8	97.5	105	41
32	Rp 1 1/4	19.1	110	127	50
40	Rp 1 1/2	19.1	120	133	55
50	Rp 2	25.7	150	145	70
65	Rp 2 1/4	20.0	151	186	85

Dimensions both ports female thread, item no. 1067503-20



DN	D	e	L	Hmax.	SW*
10	15	18	85	98	27
15	18	20	85	98	27
20	22	24	91	100	32
25	28	27	104.5	105	41
32	35	32	119	127	50
40	42	37.5	129	133	55
50	54	42.5	159	145	70

Dimensions both ports press connection, item no. 1067551-62

*SW = spanner size

“Hydrocontrol ATR” Isolating and orifice valve both ports with male thread and collar nut

Tender specification:

Oventrop isolating and orifice valves “Hydrocontrol ATR” PN 16 for central heating and cooling systems. Both ports with male thread and collar nut for weldable, solder and threaded tailpipes, flat sealing, not suitable for steam. Colour rings for marking of supply and return pipe. Valve body (oblique pattern) and bonnet made of bronze, disc and stem made of brass resistant to dezincification (DZR), disc with PTFE seal, maintenance-free stem seal due to double O-ring, all functional components in one plane, blind plugs and fill and drain ball valve interchangeable, installation in the supply or the return pipe.

DN 10 up to DN 50 with approval certificate for shipbuilding.

Technical data:

Max. operating temperature t_s : +150°C

Min. operating temperature t_s : -20°C

Max. operating pressure p_s : 16 bar (PN 16)

Models:

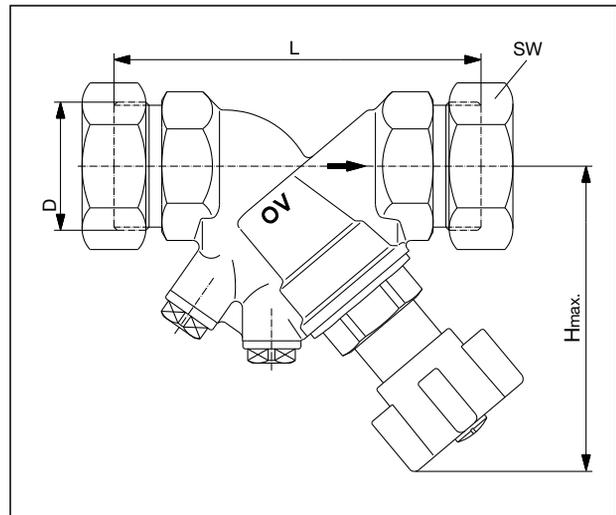
“Hydrocontrol ATR”

both ports male thread with collar nut, with threaded ports for accessories sets (closed with blind plugs)

Size	kvs	Item no.
DN 10	2.88	1067603
DN 15	3.88	1067604
DN 20	5.71	1067606
DN 25	8.89	1067608
DN 32	19.45	1067610
DN 40	27.51	1067612
DN 50	38.78	1067616

Accessories sets:

	Item no.
1 fill and drain ball valve	1060191
1 extension for accessories sets (80 mm)	1060295
1 extension for accessories sets (40 mm)	1688295



DN	D DIN EN 10226	L	Hmax.	SW*
10	G 5/8	86	98	26
15	G 3/4	88	98	30
20	G 1	93	100	37
25	G 1 1/4	110	105	46
32	G 1 1/2	110	127	52
40	G 1 3/4	120	133	58
50	G 2 3/8	150	145	75

Dimensions both ports male thread with collar nut, item no. 1067604-16

*SW = spanner size

Accessories sets:

2 weldable tailpipes	Item no.
for valve DN 10	1060591
for valve DN 15	1060592
for valve DN 20	1060593
for valve DN 25	1060594
for valve DN 32	1060595
for valve DN 40	1060596
for valve DN 50	1060597

2 solder tailpipes

15 mm for valve DN 15	1061092
18 mm for valve DN 20	1061093
22 mm for valve DN 20	1061094
28 mm for valve DN 25	1061095
35 mm for valve DN 32	1061096
42 mm for valve DN 40	1061097
24 mm for valve DN 50	1061098

2 tailpipes with male thread

R for valve DN 10	1061491
R 1/2 for valve DN 15	1061492
R 3/4 for valve DN 20	1061493
R 1 for valve DN 25	1061494
R 1 1/4 for valve DN 32	1061495
R 1 1/2 for valve DN 40	1061496
R 2 for valve DN 50	1061497

2 tailpipes with female thread

R 1/2 for valve DN 15	1019364
R 3/4 for valve DN 20	1019366
R 1 for valve DN 25	1061394
R 1 1/4 for valve DN 32	1061395

Accessories:

Insulation shells, item no. 1060081-86:

Insulation shells made of polyurethane, double shells with tongue-and-groove fitting.

Only for heating systems.

Operating temperature t_s : +130 °C (for short periods up to +150 °C)

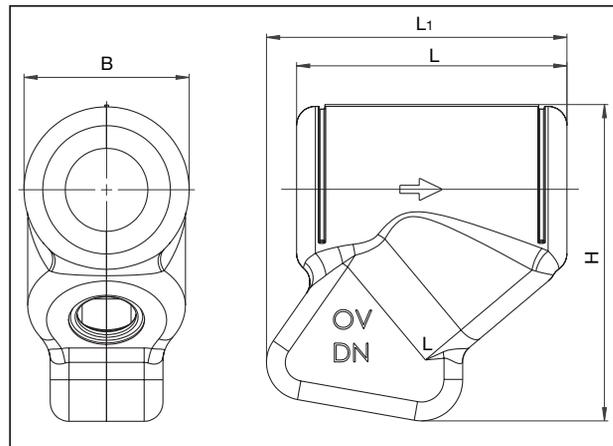
Insulation shells, item no. 1060481-86:

Insulation shells made of closed-cell foamed polyethylene with additional solid mesh effect made of polypropylene.

One-piece insulation of symmetric construction with tongue-and-groove fitting.

Only for heating systems.

Operating temperature t_s : +100° C

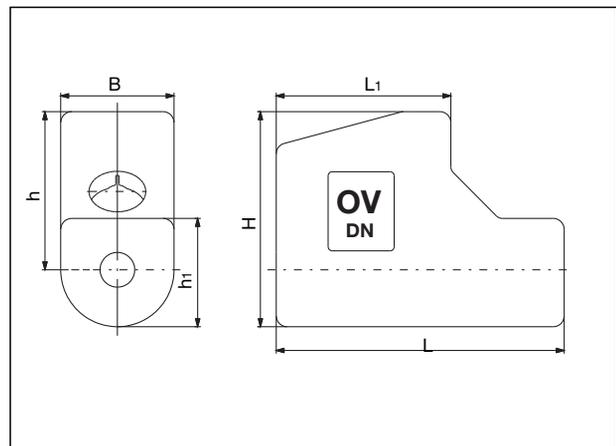


Subject to technical modification without notice.

Product range 3
 ti 220-EN/10/MW
 Edition 2015

DN	D ₁	L ₁	L ₂	D ₂ EN 10226	L ₃	L ₄	D ₃	L ₅	D ₄ EN 10226	L ₆	L ₇
10	-	-	-	R 3/8	25	10.1	16	50	-	-	-
15	15	18	12	R 1/2	31	13.2	20.5	50	Rp 1/2	37	13.2
20	18	23	15	R 3/4	34	14.5	26	50	Rp 3/4	38	14.5
20	22	24	17	-	-	-	-	-	-	-	-
25	28	27	20	R 1	40	16.8	33	60	Rp 1	53	16.8
32	35	32	25	R 1 1/4	46	19.1	41	60	Rp 1 1/4	55	19.1
40	42	37	29	R 1 1/2	49	19.1	47.5	65	-	-	-
50	54	50	40	R 2	55	23.4	60	65	-	-	-

Dimensions



DN	Item no.:	B	L	L ₁	H	h	h ₁
10/15	1060081	72	183	111	136	100	69
20	1060082	80	195	122	143	103	77
25	1060083	88	243	141	151	107	85
32	1060084	102	254	149	172	121	97
40	1060085	109	250	152	185	131	105
50	1060086	125	276	163	209	147	120

Insulation shells

DN	Item no.:	B	L	L ₁	H
10/15	1060481	66	120	137	135
20	1060482	74	126	140	142
25	1060483	88	140	149	155
32	1060484	88	144	160	168
40	1060485	93	145	156	178
50	1060486	110	188	179	202

Dimensions

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