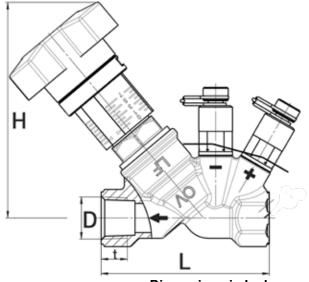
"Hydrocontrol MTR" Lead free brass Double Regulating and Commissioning Valves Thread Connection 1/2"-LF - 2" (DN 15LF - DN 50)

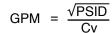
Job Name:	Submitted by:	Date:
	Spec Section:	
Job Location:	Engineer/Architect:	
	Approval:	Date:



### **Dimensions in Inches**

Size Connection		Connection	Item no.	Cv	D	L	Н
DN15LF	1/2"	FNPT	166 04 64	0.64	1/2	3.4	4.5
DN15MF	1/2"	FNPT	166 04 34	1.39	1/2	3.4	4.5
DN15	1/2"	FNPT	166 04 04	2.55	1/2	3.4	4.5
DN20	3/4"	FNPT	166 04 06	4.93	3/4	3.8	4.6
DN25	1"	FNPT	166 04 08	9.98	1	4.0	4.7
DN32	11/4"	FNPT	166 04 10	18.44	1-1/4	4.7	5.3
DN40	11/2"	FNPT	166 04 12	27.14	1-1/2	5.2	5.4
DN50	2"	FNPT	166 04 16	54.52	2	6.4	5.8

Siz	ze	Connection Item no.		Minimum Flow [GPM]	Maximum Flow [GPM]
DN15LF	1/2"	FNPT	166 04 64	0.2	2.4
DN15MF	1/2"	FNPT	166 04 34	0.5	5
DN15	1/2"	FNPT	166 04 04	1	5
DN20	3/4"	FNPT	166 04 06	2	7
DN25	1"	FNPT	166 04 08	3.8	12
DN32	11/4"	FNPT	166 04 10	7	25
DN40	11/2"	FNPT	166 04 12	10	35
DN50	2"	FNPT	166 04 16	21	50



Oventrop Corporation PO Box 789 East Granby, CT 06026 Phone: (860) 413-9173 www.oventrop-us.com



### **Product Specification**

Oventrop double regulating and commissioning valves "Hydrocontrol MTR" are installed in the pipework of central hot water heating and cooling systems and serve to achieve a hydronic balance between the various circuits of the system.

The balance is achieved by a presetting with memory position. The calculated flow rate or pressure loss for each individual pipe can be preset centrally and regulated precisely. The required values of presetting can be obtained from the flow charts. All intermediate values are infinitely adjustable. The selected presetting can be read off two scales. The Oventrop double regulating and commissioning valves have two threaded ports which are equipped with the pressure test points for measuring the differential pressure across an integrated venturi. These valves are compliant with ANSI/NSF 372.

#### Specifications:

Maximum working temperature: 300 °F Maximum working pressure: 360 psi

Bonnet, stem and disc made of bronze/dezincification resistant brass. Disc with PTFE seal. Double EPDM O-ring stem seal.

### Pressure drop [PSI] measured at the valve for select flow rates [GPM]

		<b>EPM</b> MIST VE			3/Å		ali	, Nã
	, sie'	15 1/2	DHISHF 1/2	Imts 1/2	,00 ×	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DH32 1/1/2	JHAO 7
ció	M,	Mar	OM, C	M, (	DWZO	DWZ	DM3.	MARY C
0.25	0.15							
0.33	0.27							
0.5	0.61	0.13						
0.75	1.38	0.29						
1	2.46	0.52	0.15					
1.25	3.84	0.81	0.24					
1.5	5.53	1.16	0.35					
1.75	7.52	1.58	0.47	0.13				
2	9.83	2.06	0.61	0.16				
2.5		3.23	0.96	0.26				
3		4.64	1.38	0.37				
4		8.26	2.46	0.66	0.16			
5		12.90	3.84	1.03	0.25			
6			5.53	1.48	0.36			
7			7.52	2.02	0.49	0.14		
8			9.83	2.63	0.64	0.19		
9			12.44	3.33	0.81	0.24		
10	ļ			4.11	1.00	0.29	0.14	
12				5.92	1.45	0.42	0.20	
15				9.26	2.26	0.66	0.31	
20					4.02	1.18	0.54	
25					6.28	1.84	0.85	0.21
30					9.04	2.65	1.22	0.30
35					12.31	3.60	1.66	0.41
40						4.70	2.17	0.54
45						5.95	2.75	0.68
50						7.35	3.39	0.84

Oventrop Corporation PO Box 789 East Granby, CT 06026 Phone: (860) 413-9173 www.oventrop-us.com

### "Hydrocontrol" Valve Accessories



Set of two pressure test points Item 106 02 81



Extension piece for pressure test points 80mm Item 106 02 95



Fill and drain ball valve 1/4" Item 106 01 91



Measuring adapter for fill-and-drain ball valve Item 106 02 98



Flow meter OV-DMC 2 Item 106 91 77

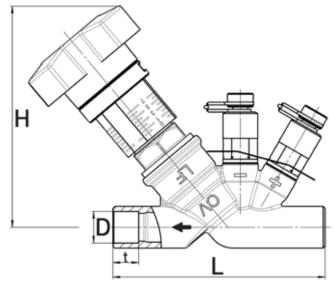


Insulation Shell for "Hydrocontrol MTR"

SI	ze	Item no.
DN15	1/2"	106 00 81
DN20	3/4"	106 00 82
DN25	1"	106 00 83
DN32	11⁄4"	106 00 84
DN40	1½"	106 00 85
DN50	2"	106 00 86

"Hydrocontrol MTR" Lead free brass Double Regulating and Commissioning Valves Thread Connection 1/2"-LF - 2" (DN 15LF - DN 50)

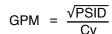
Job Name:	Submitted by:	Date:		
	Spec Section:			
Job Location:	Engineer/Architect:			
	Approval:	Date:		



### **Dimensions in Inches**

Si	ze	Connection	Item no.	Cv	D	L	Н
DN15LF	1/2"	SWT	166 04 49	0.64	1/2	3.4	4.5
DN15MF	1/2"	SWT	166 04 50	1.39	1/2	3.4	4.5
DN15	1/2"	SWT	166 04 51	2.55	1/2	3.4	4.5
DN20	3/4"	SWT	166 04 52	4.93	3/4	3.8	4.6
DN25	1"	SWT	166 04 53	9.98	1	4.0	4.7
DN32	11/4"	SWT	166 04 54	18.44	1-1⁄4	4.7	5.3
DN40	11/2"	SWT	166 04 55	27.14	1-1/2	5.2	5.4
DN50	2"	SWT	166 04 56	54.52	2	6.4	5.8

Si	Size Connection		Item no.	Minimum Flow [GPM]	Maximum Flow [GPM]
DN15LF	1/2"	SWT	166 04 49	0.2	2.4
DN15MF	1/2"	SWT	166 04 50	0.5	5
DN15	1/2"	SWT	166 04 51	1	5
DN20	3/4"	SWT	166 04 52	2	7
DN25	1"	SWT	166 04 53	3.8	12
DN32	11/4"	SWT	166 04 54	7	25
DN40	11/2"	SWT	166 04 55	10	35
DN50	2"	SWT	166 04 56	21	50



Oventrop Corporation PO Box 789 East Granby, CT 06026 Phone: (860) 413-9173 www.oventrop-us.com



### **Product Specification**

Oventrop double regulating and commissioning valves "Hydrocontrol MTR" are installed in the pipework of central hot water heating and cooling systems and serve to achieve a hydronic balance between the various circuits of the system.

The balance is achieved by a presetting with memory position. The calculated flow rate or pressure loss for each individual pipe can be preset centrally and regulated precisely. The required values of presetting can be obtained from the flow charts. All intermediate values are infinitely adjustable. The selected presetting can be read off two scales. The Oventrop double regulating and commissioning valves have two threaded ports which are equipped with the pressure test points for measuring the differential pressure across an integrated venturi. These valves are compliant with ANSI/NSF 372.

#### Specifications:

Maximum working temperature: 300 °F Maximum working pressure: 235 psi

Bonnet, stem and disc made of bronze/dezincification resistant brass. Disc with PTFE seal. Double EPDM O-ring stem seal.

### Pressure drop [PSI] measured at the valve for select flow rates [GPM]

		Tor select flow rates [GPM]  I rate CRM  Ontal Division D						
		ON						
	/,	١	1/2	Nã	3/å	/ <	ألام	يرائر
	(vate	(st )	MEME	JH15	DINZO	DW25	DH35	JHAD S
110	$n/\sqrt{2}$	Will.	DW SMF 1/2	214	OIA /	ar.	017	21/ (
0.25	0.15							
0.33	0.27							
0.5	0.61	0.13						
0.75	1.38	0.29						
1	2.46	0.52	0.15					
1.25	3.84	0.81	0.24					
1.5	5.53	1.16	0.35					
1.75	7.52	1.58	0.47	0.13				
2	9.83	2.06	0.61	0.16				
2.5		3.23	0.96	0.26				
3		4.64	1.38	0.37				
4		8.26	2.46	0.66	0.16			
5		12.90	3.84	1.03	0.25			
6			5.53	1.48	0.36			
7			7.52	2.02	0.49	0.14		
8			9.83	2.63	0.64	0.19		
9			12.44	3.33	0.81	0.24		
10				4.11	1.00	0.29	0.14	
12				5.92	1.45	0.42	0.20	
15				9.26	2.26	0.66	0.31	
20					4.02	1.18	0.54	<u> </u>
25					6.28	1.84	0.85	0.21
30					9.04	2.65	1.22	0.30
35					12.31	3.60	1.66	0.41
40				ļ		4.70	2.17	0.54
45	ļ			ļ		5.95	2.75	0.68
50						7.35	3.39	0.84

Oventrop Corporation PO Box 789 East Granby, CT 06026 Phone: (860) 413-9173 www.oventrop-us.com

### "Hydrocontrol" Valve Accessories



Set of two pressure test points Item 106 02 81



Extension piece for pressure test points 80mm Item 106 02 95



Fill and drain ball valve 1/4" Item 106 01 91



Measuring adapter for fill-and-drain ball valve Item 106 02 98



Flow meter OV-DMC 2 Item 106 91 77



Insulation Shell for "Hydrocontrol MTR"

SI	ze	Item no.
DN15	1/2"	106 00 81
DN20	3/4"	106 00 82
DN25	1"	106 00 83
DN32	11⁄4"	106 00 84
DN40	1½"	106 00 85
DN50	2"	106 00 86