

ARI-TEMPTROL®

Fig. 771 / Temperature regulator DN 15 - 100



Your valve made by ARI®
ari-armaturen.com

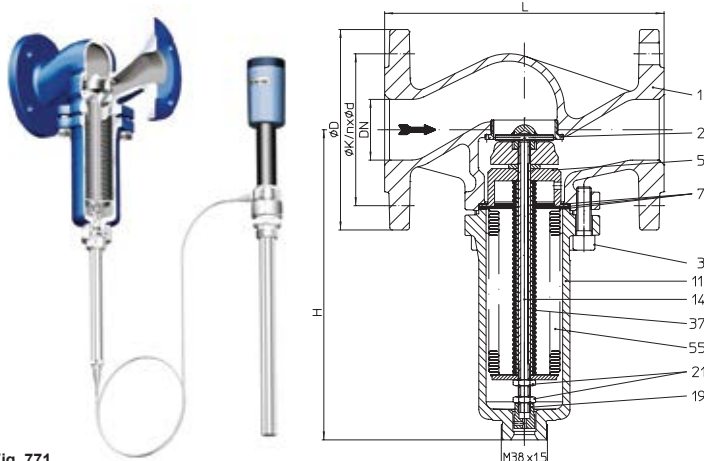


Fig. 771

Dimensions								
DN			15	20	25	32	40	50
L		(mm)	130	150	160	180	200	230
Fig. 771	H	(mm)	160	160	195	195	215	255
	Weight	(kg)	3.4	4.2	5.3	6.9	8.8	12.4
Fig. 772	H	(mm)	305	305	340	340	360	400
	Weight	(kg)	4.3	5.1	6.3	7.9	9.7	13.3

Kvs-value								
DN			15	20	25	32	40	50
Standard Kvs-values		(m³/h)	4.0	6.3	10.0	16.0	22.0	32.0
Travel		(mm)	7.5	7.5	8	9.5	9.5	11.5
Reduced Kvs-values		(m³/h)	0.4	1.0	--	--	--	--
Travel		(mm)	5	5	--	--	--	--
Leakage rate			IV acc. to DIN EN 1349 (≤ 0,01% from the nominal flow)					

Pressure Temperature Rating

acc. to DIN EN 1092-2

Material			-60°C to <-10°C*	-10°C to 120°C	150°C	200°C	250°C	300°C
EN-JL1040	16	(bar)	--	16	14.4	12.8	11.2	9.6
EN-JS1049	16	(bar)	on request	16	15.5	14.7	13.9	12.8
EN-JS1049	25	(bar)	on request	25	24.3	23	21.8	20

acc. to manufacturers standard

Material			-60°C to <-10°C*	-10°C bis 120°C	150°C	200°C	250°C	300°C
1.0619+N	40	(bar)	30	40	38.1	35	32	28
SA105	40	(bar)	30	40	38.1	35	32	28

DN100 max. 26 bar

acc. to DIN EN 1092-1

Material			-60°C to <-10°C*	-10°C to 100°C	150°C	200°C	250°C	300°C
1.4408	40	(bar)	40	40	36.3	33.7	31.8	29.7

DN100 max. 26 bar

Proportional Range (Combination Controller with Valve in Kelvin) ¹⁾

DN	15			20	25	32	40	50	65	80	100
Controller size I	10	10	15	15	17	20	20	24	37	39	39
Controller size II	7.5	7.5	10	10	12	13	13	16	27	29	29
Controller size III	5	5	6.5	6.5	7.5	8.5	8.5	10	20	21	21

 = recommended combinations

¹⁾ The proportional range determines at what change in sensor temperature the valve will move from totally open to totally closed.

Features

- Self-operating (no auxiliary power required)
- Reliable, low maintenance operation
- Over-temperature safety device
- Valves pressure balanced with stainless steel bellows
- 3 thermal controller sizes for optimal selection of proportional range
- Thermal sensors with different time constants
- Exact and easy adjustment
- Setting range is adjustable
- Sensor pocket
- Manual control device

Figure	Nom. pressure	Material	Nom. diameter
12.771 / 12.772	PN16	EN-JL1040	DN15-100
22.771 / 22.772	PN16	EN-JS1049	DN15-100
23.771 / 23.772	PN25	EN-JS1049	DN15-100
35.771 / 35.772	PN40	1.0619+N	DN15-100
55.771 / 55.772	PN40	1.4408	DN15-100

Selection of possible applications

Industrial heating and ventilation systems, residential applications, marked-warehouses, ship building, cooling systems, etc.. (other applications on request)

Selection of possible flow media

Fluids, air and steam (other flow media on request)

Max. differential pressure drop Δp

DN			15	20	25	32	40	50
Fig. 771	Straight through	(bar)	16	16	16	16	12	9
Fig. 772								



