

Cooling & Heating Division

DISC CHECK VALVE

Wafer Type

TDCV-N-SS 304 / SS316

TDCV-N



COMPACT WAFER TYPE NON RETURN VALVE

MAIN FEATURES

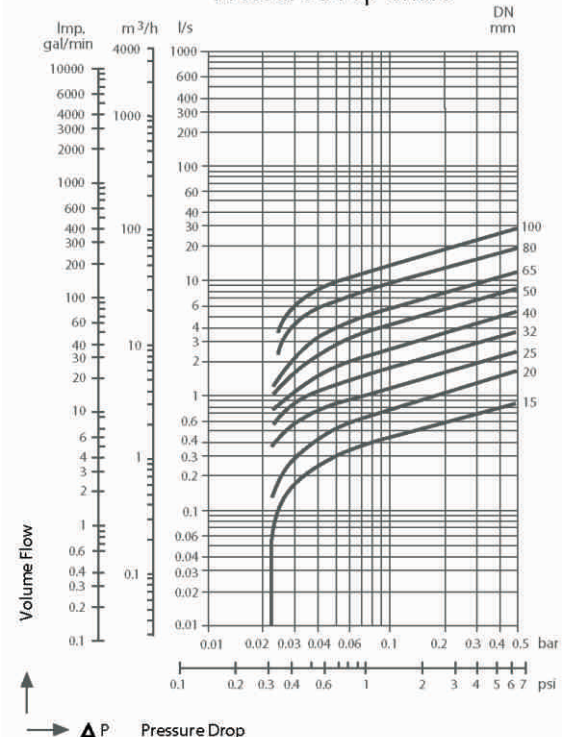
- SS body with SS internals.
- Check valves are commonly used to ensure flow of fluids like water, gases and steam in one direction & to prevent its flow in reverse direction.
- These valves are compact and need minimum installation time which is a distinct advantage of these valves.

INSTALLATION

Installation is possible in all positions.

The curves given in the chart are valid for water at 20°C. To read the pressure drop for other fluids the equivalent water volume flow rate must be calculated and used in the graph. The values indicated in the chart are applicable to spring - loaded valves with horizontal flow .

Pressure Drop Chart



SPECIFICATIONS

OPERATING CONDITIONS

Nominal Pressure	PN	40
Min. Allowable Temperature	(°C)	-10
Max. Operating Pressure	(bar)	40 - 38 - 37
Pressure Dependent Temperature	(°C)	100 - 200 - 300

WEIGHTS

Connections	Wafer Type									
	15	20	25	32	40	50	65	80	100	
Sizes mm	15	20	25	32	40	50	65	80	100	
Weights kgs	0.8	0.13	0.18	0.33	0.54	0.89	1.2	2.1	3.1	

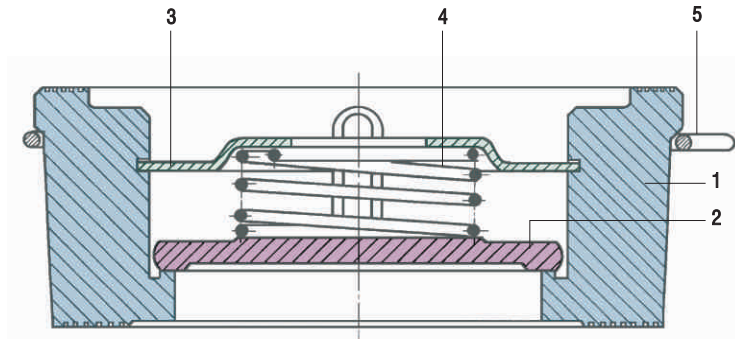
SIZES

15 - 100 mm	1/2" - 4" inches
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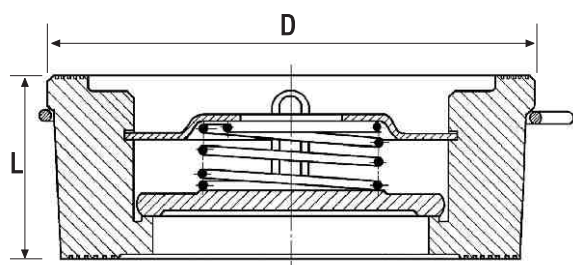
CONNECTIONS

TDCV-N-304	TDCV-N-316
BS 10 tables D,E	BS 10 tables D,E, F, J
DIN 2501 (PN/10/16/40)	DIN 2501 (PN/6/10/16/40)
ANSI B 16.1 class 125 FF	ANSI B 16.1 class 125 FF

SPARE PARTS		TDCV-N-304	TDCV-N-316
1	Body	Investment Casting AISI 304	Investment Casting AISI 316
2	Disc	Stainless Steel AISI 304	Stainless Steel AISI 316
3	Segment	Stainless Steel AISI 304	Stainless Steel AISI 316
4	Spring	Stainless Steel AISI 304	Stainless Steel AISI 316
5	Centering Hoop	Stainless Steel AISI 304	Stainless Steel AISI 316



Size mm	15	20	25	32	40	50	65	80	100
L (mm)	16	19	21	27	31	40	46	50	60
D (mm)	39	46	54	70	80	96	113	130	150



OPENING PRESSURES MBAR

DN mm	Direction of flow			
	Without springs	With springs	Without springs	With springs
15	2.5	25	22.5	20
20	2.5	25	22.5	20
25	2.5	25	22.5	20
32	3.5	27	23.5	20
40	4	28	24	20
50	4.5	29	24.5	20
65	5	30	25	20
80	5.5	31	25.5	20
100	6.5	33	26.5	20

Special inspection and certification available on request

In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change specifications without prior notice.



Sustainable Solutions in Energy & Environment

COOLING & HEATING DIVISION

Services SBU - FEMS

D - 13, MIDC Industrial Area, R. D. Aga Road, Chinchwad, Pune 411 019. INDIA
Tel.: +91-20-2747 5941
Fax: +91-20-2747 7080
E-mail: info.c&hservices@thermaxindia.com

AHMEDABAD 380 006

Tel.: (079) 2657 5408 / 5341 / 7073
Fax: (079) 2657 7270
E-mail: mambiar@thermaxindia.com

BANGALORE 560 020

Tel.: (080) 2346 7761 - 64
Fax: (080) 2346 7760
E-mail: adminblr@thermaxindia.com

CHENNAI 600 018

Tel.: (044) 2435 3831 - 34
Fax: (044) 2435 3841
E-mail: chennaidivsupp@thermaxindia.com

HYDERABAD 500 482

Tel.: (040) 2339 6820, 2331 0254
Fax: (040) 2331 2335
E-mail: hyd_sec@thermaxindia.com

MUMBAI 400 016

Tel.: (022) 2204 5391, 2204 5324
Fax: (022) 2204 0859
E-mail: psecret@thermaxindia.com

NEW DELHI 110 057

Tel.: (011) 2614 5319, 2614 5701
Fax: (011) 2614 5311, 2614 8679
E-mail: psupport@thermaxindia.com

KOLKATA 700 016

Tel.: (033) 2282 6711 - 13
Fax: (033) 2282 6769
E-mail: mbiswas@thermaxindia.com

VADODRA 390 005

Tel.: (0265) 231 4802, 234 5442
Fax: (0265) 231 0051
E-mail: pbaroda@thermaxindia.com

www.thermaxindia.com

International offices at
Indonesia, Russia, Kazakstan, Saudi Arabia, Malaysia, Bangladesh, Sri Lanka, Hong Kong, China Thailand, UAE, Kenya, Nigeria, Brazil, UK, USA

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