

Climate
Control

IMI TA

TA-NRV F



Check valves

Double door and swing version – DN 50-600

TA-NRV F

Double door and swing check valves for heating and cooling systems. Available in pressure class PN 16 and 25.



Technical description

Application:

Heating and cooling systems
Tap water systems

Function:

Protects against reverse flow

Dimensions:

DN 50-600

Pressure class:

PN 16 and PN 25

Temperature:

Max. working temperature: 120°C
Min. working temperature: -20°C

Media:

Water and neutral fluids, water-glycol mixtures.

Material:

Grooved:

Body: Ductile Iron EN-JS 1050
Disc: DI EPDM Coated EN-JS 1050
Seat: DI Integral EN-JS 1050
Spring: Stainless Steel BS970 304S15
Shaft: Stainless Steel BS970 420S37
Gasket: EPDM Commercial
Shaft: Plug Brass CuZn39Pb3

Flanged:

Body -Cast Iron EN-JL 1040 for PN16
Cover -Cast Iron EN-JL 1040 for PN16
Body - Ductile Iron EN-JS 1050 for PN25
Cover - Ductile Iron EN-JS 1050 for PN25
Side Plug: Brass CuZn39Pb3
Hanger Pin: Stainless Steel BS970 420S37
Hanger: Ductile Iron EN-JS 1050
Disc -Cast Iron EN-JL 1040
Disc Trim: EPDM Commercial
Body Trim: Bronze EN1982 CC491K
Gasket: Graphite Non-asbestos

Double door:

Body: Ductile Iron EN-JS 1050
Disc: Stainless Steel BS970 304S15
Seat: EPDM Commercial
Hinge Pin: Stainless Steel BS970 420S37
Stop Pin: Stainless Steel BS970 420S37
Pin Retainer: Stainless Steel BS970 304S15
Spring: Stainless Steel BS970 304S15
Washer PTFE Commercial
Gasket: EPDM Commercial

Surface treatment:

Internally and externally liquid epoxy painted or fusion bonded epoxy powder coated (FBE).
Fusion bonded epoxy coating 150 -300 microns.

Connections:

Flanged: According to EN 1092-2
Grooved ends: According to ISO 4200
Wafer: According to EN1092-2

Marking:

IMI, PN, DN, and flow direction arrow.

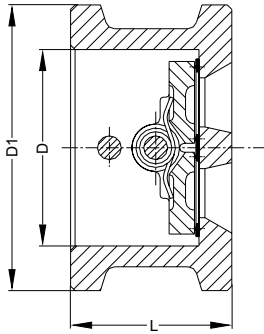
Approvals:

PN16 Grooved ends: WRAS

Colour:

Blue RAL5015

Articles - Double door

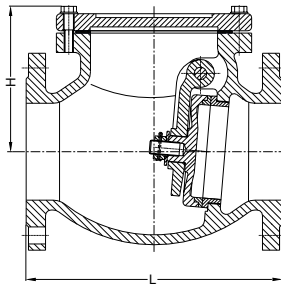


PN 25

DN	D	D1	L	kg	Kvs	EAN	Article No
50	66	106	54	1,8	36,6	5902276802270	43350-228350
65	78	126	54	2,4	58,7	5902276802287	43350-228365
80	90	141	57	3,2	83,6	5902276802294	43350-228380
100	115	167	64	4,8	152,6	5902276802300	43350-228390
125	141	191	70	7,3	238,5	5902276802317	43350-228391
150	170	222	76	10	343,4	5902276802324	43350-228392
200	210	282	95	14,2	616,5	5902276802331	43350-228393
250	273	339	108	23,6	969,1	5902276802348	43350-228394
300	324	399	143	37,5	1401,0	5902276802355	43350-228395
350	356	456	184	62	1702,4	5902276802362	43350-228396
400	406	513	191	74	2262,0	5902276802379	43350-228397

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

Articles - Flanged



PN 16

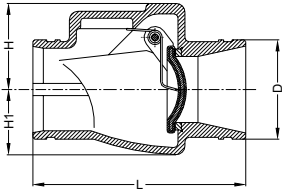
DN	L	H	kg	Kvs	EAN	Article No
50	203	125	11,5	40,7	5902276802485	43350-336250
65	216	137	13	65,2	5902276802492	43350-336265
80	241	147	17	92,9	5902276802508	43350-336280
100	292	166	25	169,6	5902276802515	43350-336290
125	330	190	40	265	5902276802522	43350-336291
150	356	217	50	381,5	5902276802539	43350-336292
200	495	265	58,3	658	5902276802546	43350-336293
250	622	300	218	1076,8	5902276802553	43350-336294
300	699	342	282	1556,7	5902276802560	43350-336295
350	787	402	500	1891,5	5902276802577	43350-336296
400	914	472	680	2513,3	5902276802584	43350-336297
450	914	500	780	3223,3	5902276802591	43350-336298
500	1016	514	1000	4021,4	5902276802607	43350-336299
600	1219	605	1600	5882,4	5902276802478	43350-336200

PN 25

DN	L	H	kg	Kvs	EAN	Article No
50	203	125	11,5	40,7	5902276802386	43350-326350
65	216	137	13	65,2	5902276802393	43350-326365
80	241	147	17	92,9	5902276802409	43350-326380
100	292	166	25	169,6	5902276802416	43350-326390
125	330	190	40	265,0	5902276802423	43350-326391
150	356	217	50	381,5	5902276802430	43350-326392
200	495	265	58,3	658,0	5902276802447	43350-326393
250	622	300	218	1076,8	5902276802454	43350-326394
300	699	342	282	1556,7	5902276802461	43350-326395

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

Articles - Grooved ends



PN 16

DN	D	L	H	H1	kg	Kvs	EAN	Article No
50	60,3	99	47	36	11,5	40,7	5902276802614	43350-329250
65 ¹⁾	73,0	99	57	45	13	65,2	5902276802768	43350-325265
65	76,1	99	57	45	13	65,2	5902276802621	43350-329265
80	88,9	108	68	49	17	92,9	5902276802638	43350-329280
100	114,3	254	99	76	25	169,6	5902276802645	43350-329290
125	139,7	267	114	111	40	265,0	5902276802652	43350-329291
125 ¹⁾	141,3	267	114	111	40	265,0	5902276802775	43350-325291
150	168,3	292	127	105	50	381,5	5902276802669	43350-329292
200	219,1	356	154	130	58,3	658,0	5902276802676	43350-329293
250	273	732	188	163	218	1076,8	5902276802683	43350-329294
300	323,9	495	205	188	282	1556,7	5902276802690	43350-329295

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

1) Not conforming to ISO 4200.