IMI TA

TA-NRV F

Check valves

Wafer double door check valve –
DN 50-600

Engineering
GREAT Solutions

IMI Hydronic Engineering

TA-NRV F

Wafer double door check valve 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

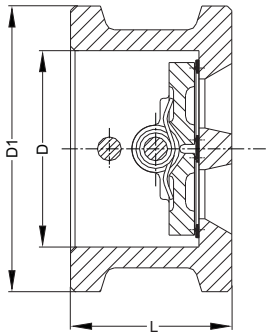
Surface treatment:
Internally and externally liquid epoxy painted or fusion bonded epoxy powder coated (FBE).
Fusion bonded epoxy coating 150 -300 microns.

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.

Colour:
Blue RAL5015

Articles - Double door

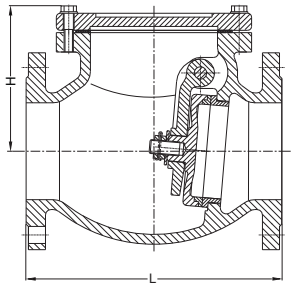


PN 25

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

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.

Articles - Flanged



PN 16

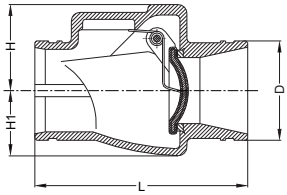
DN	D	D1	L	H	kg	Kvs	EAN	Article No
50	-	-	203	125	11,5	40,7	-	43350-336250
65	-	-	216	137	13	65,2	-	43350-336265
80	-	-	241	147	17	92,9	-	43350-336280
100	-	-	292	166	25	169,6	-	43350-336290
125	-	-	330	190	40	265	-	43350-336291
150	-	-	356	217	50	381,5	-	43350-336292
200	-	-	495	265	58,3	658	-	43350-336293
250	-	-	622	300	218	1076,8	-	43350-336294
300	-	-	699	342	282	1556,7	-	43350-336295
350	-	-	787	402	500	1891,5	-	43350-336296
400	-	-	914	472	680	2513,3	-	43350-336297
450	-	-	914	500	780	3223,3	-	43350-336298
500	-	-	1016	514	1000	4021,4	-	43350-336299
600	-	-	1219	605	1600	5882,4	-	43350-336200

PN 25

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

Kvs = m^3/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	-	43350-329250
65 [1)]	73,0	99	57	45	13	65,2	-	43350-325265
65	76,1	99	57	45	13	65,2	-	43350-329265
80	88,9	108	68	49	17	92,9	-	43350-329280
100	114,3	254	99	76	25	169,6	-	43350-329290
125	139,7	267	114	111	40	265,0	-	43350-329291
125 [1)]	141,3	267	114	111	40	265,0	-	43350-325291
150	168,3	292	127	105	50	381,5	-	43350-329292
200	219,1	356	154	130	58,3	658,0	-	43350-329293
250	273	732	188	163	218	1076,8	-	43350-329294
300	323,9	495	205	188	282	1556,7	-	43350-329295

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.
1) Not comforming to ISO 4200.