

CARBON STEEL WAFER SWING CHECK VALVE NBR

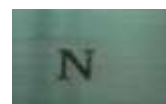
PRODUCT EVOLUTION



Be careful, our check valves Ref.351 are changing

**We currently have 2 different types available (according to DN)
with different design and gaskets dimensions**

Marking for the new check valves N :



**At the end, only the new types with marking N (new design) will be
available (from page 2 to 6)**

CARBON STEEL WAFER SWING CHECK VALVE NBR

Wafer carbon steel swing check valve for heating and water distribution.

Carbon steel body and disc with NBR seat.

Wafer type with short length and with a removable hoisting eye for easy installation.

Certificate

3.1



NEW TYPE



Size : DN40 to DN300

Connection : Between flanges PN10/16 up to DN150, PN16 over Class 150 (PN20) from DN100 to 300

Min Temperature : -10°C

Max Temperature : +80°C

Max Pressure : 16 Bars up to DN300, 10 bars over

Specifications : NBR seat

Horizontal or vertical position with ascendant fluid

Wafer type

Removable hoisting eye

Weak headloss

Materials : Chromed Carbon Steel ASTM A216 WCB

CARBON STEEL WAFER SWING CHECK VALVE NBR

SPECIFICATIONS :

- Wafer swing check valve
- Vertical position with ascendant fluid or horizontal position (respect the flow direction indicated by the arrow)
- Between flanges PN10/16 up to DN150, PN16 over and Class 150 (PN20) from DN100 to 300
- With removable hoisting eye
- Short length
- Economical solution
- Monobloc disc and stem for a better mechanical strength
- Integrated body gasket

USE :

- Heating, water distribution
- Min and max Temperature Ts : - 10°C to + 80°C
- Max Pressure Ps : 16 bars up to DN300 included and 10 bars over
- **Do not use with pulsatory speed**
- **Max Speed : 3 M. / Sec.**

FLOW COEFFICIENT Kvs (in m3/h) :

DN	40	50	65	80	100	125	150	200
Kvs (m3/h)	21.88	44.72	46.72	117.89	226.23	453.44	649.86	1322.6

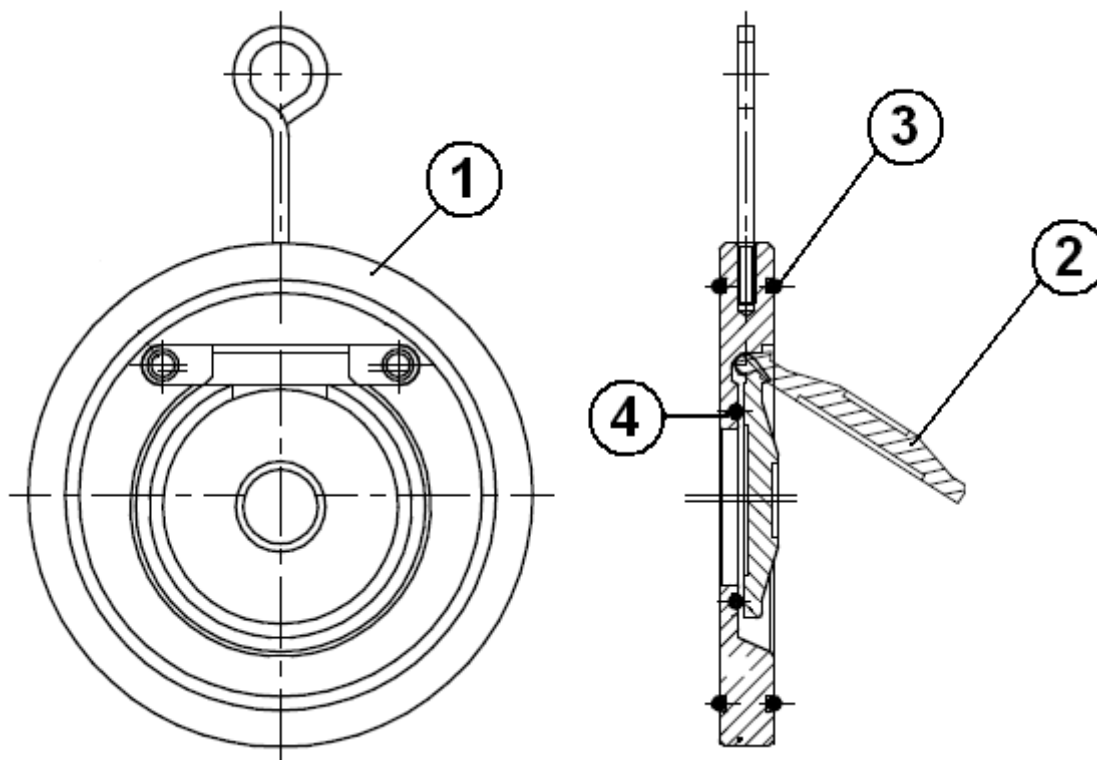
DN	250	300
Kvs (m3/h)	2147.4	2993.2

CONNECTION :

- Carbon steel body with NBR gasket between flanges PN10/16 up to DN150, PN16 over
- Between flanges Class 150 PN20 possible from DN100 to 300

CARBON STEEL WAFER SWING CHECK VALVE NBR

MATERIALS :



Item	Designation	Materials
1	Body	Chromed ASTM A216 WCB
2	Disc	
3	Seat	NBR
4	Gasket	

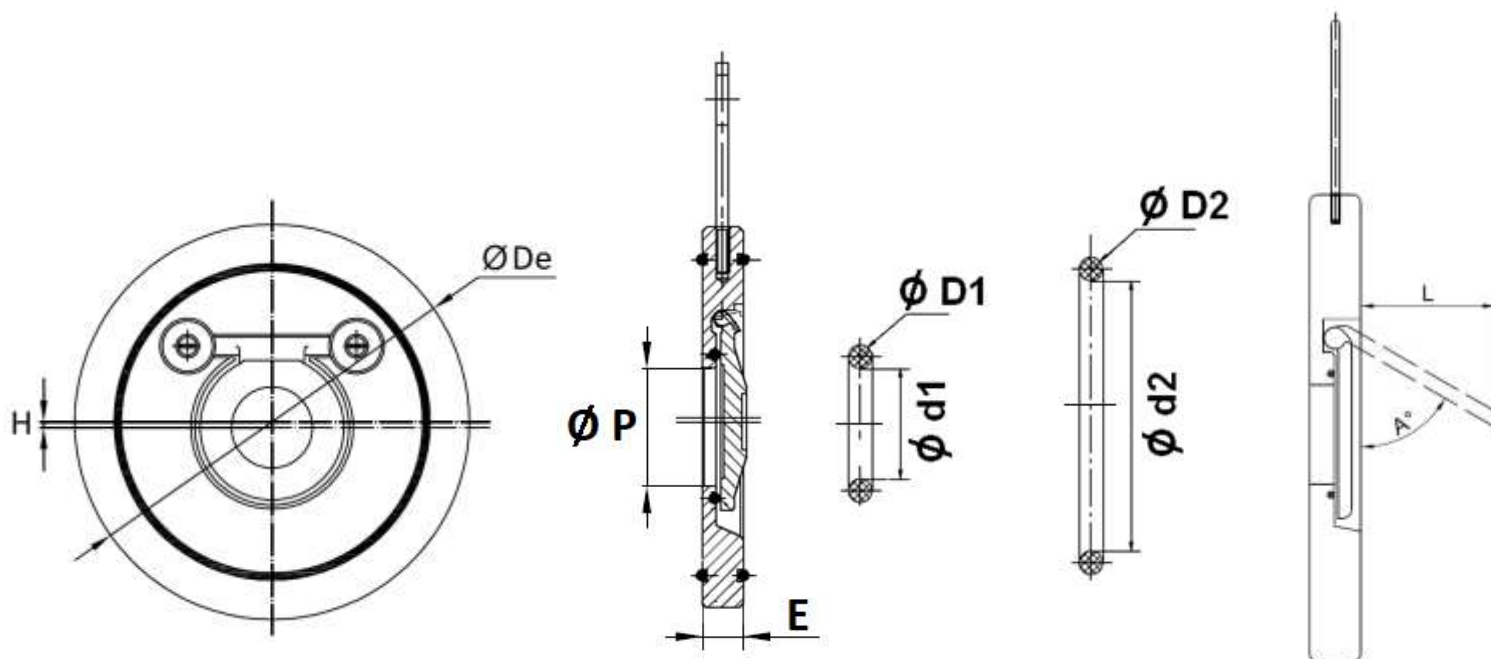
CARBON STEEL WAFER SWING CHECK VALVE NBR

SIZE (in mm) :

CLOSED POSITION

GASKETS

OPENED POSITION



DN	40	50	65	80	100	125	150	200	250	300
E	14	14	14	14	18	18	20	22	26	32
Ø De	94	109	129	144	164	194	220	275	331	386
H	1		2	3		5			6	10
Ø P	19	27	28	43.5	60	83.5	100	141	179	212
L	25.3	33.7	42.1	54.2	72.1	92.9	111.9	150.3	190.5	228.1
A (°)		65	65	60.4	62.9	62.7	65.4	61.5	63.4	67.8
Ø d2	70.1	80.7	100.2	107.8	134.8	158	186	240.1	284.4	328
Ø D2	3.8									6
Ø d1	21.6	29.3	34.8	48.7	62.9	84.8	101.5	144	181.6	216.4
Ø D1	3				3.8					6
Weight (Kg)	0.69	0.86	1.2	1.49	2.42	3.29	4.72	7.92	13.73	21.04
Ref.	351040	351050	351065	351080	351100	351125	351150	351200	351250	351300

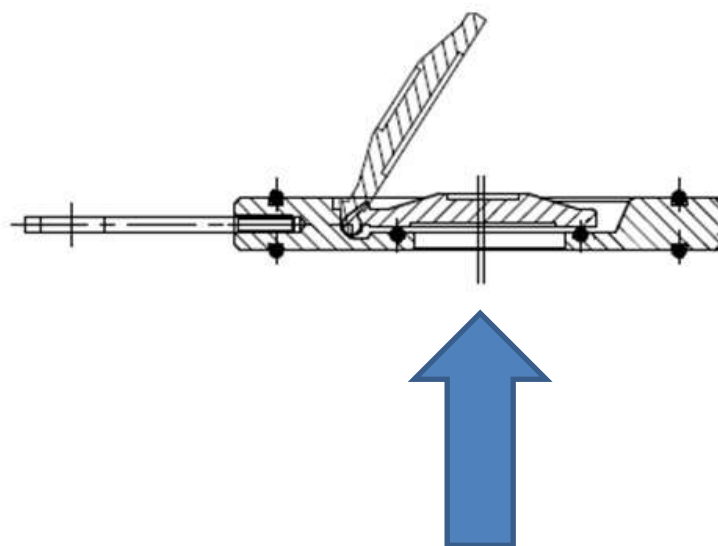
CARBON STEEL WAFER SWING CHECK VALVE NBR

STANDARDS :

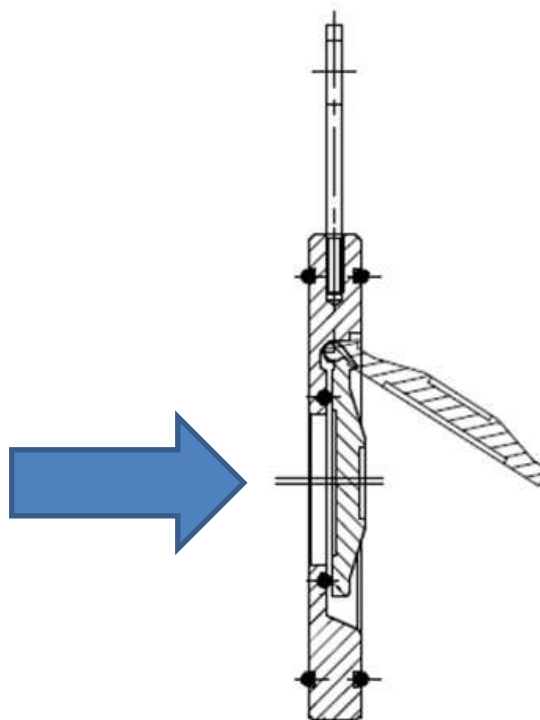
- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- Designing according to API 594 and EN 16767
- Pressure tests according to API 598, table 6
- DIRECTIVE 2014/68/UE : For liquids and Gas of Group 1
 - DN40-50 : Risk category I, CE marking
 - DN65-200 : Risk category II, CE0035 marking
 - DN250-300 : Risk category III, CE0035 marking
- Certificate 3.1 on request
- Length according to EN 558 series 97 (NF 29377)
- Between flanges according to EN 1092-1 PN10/16

INSTALLATION POSITIONS :

Vertical position (ascendant fluid)



Horizontal position



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The customer must check the right choice of the products with the real service conditions.

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Wafer carbon steel swing check valve for heating and water distribution.

Carbon steel body and disc with NBR seat.

Wafer type with short length and with a removable hoisting eye for easy installation.

Certificate

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Size : DN40 to DN300

Connection : Between flanges PN10/16 up to DN150, PN16 over Class 150 (PN20) from DN100 to 300

Min Temperature : -10°C

Max Temperature : +80°C

Max Pressure : 16 Bars up to DN200, 10 bars over

Specifications : NBR seat

Horizontal or vertical position with ascendant fluid

Wafer type

Removable hoisting eye

Weak headloss

Materials : Chromed Carbon Steel ASTM A216 WCB

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SPECIFICATIONS :

- Wafer swing check valve
- Vertical position with ascendant fluid or horizontal position (respect the flow direction indicated by the arrow)
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- Integrated body gasket

USE :

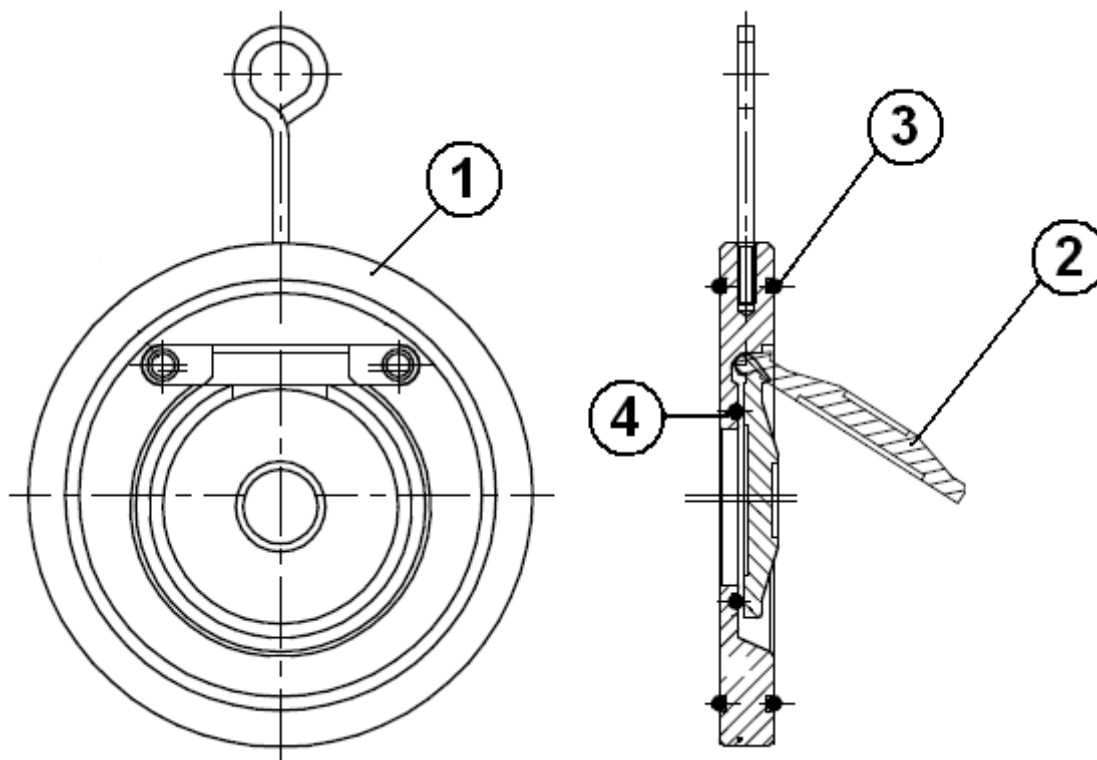
- Heating, water distribution
- Min and max Temperature Ts : - 10°C to + 80°C
- Max Pressure Ps : 16 bars up to DN 200 included and 10 bars over
- **Do not use with pulsatory speed**
- **Max Speed : 3 M. / Sec.**

CONNECTION :

- Carbon steel body with NBR gasket between flanges PN10/16 up to DN150, PN16 over
- Between flanges Class 150 PN20 possible from DN100 to 300

CARBON STEEL WAFER SWING CHECK VALVE NBR

MATERIALS :



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3	Seat	NBR
4	Gasket	NBR

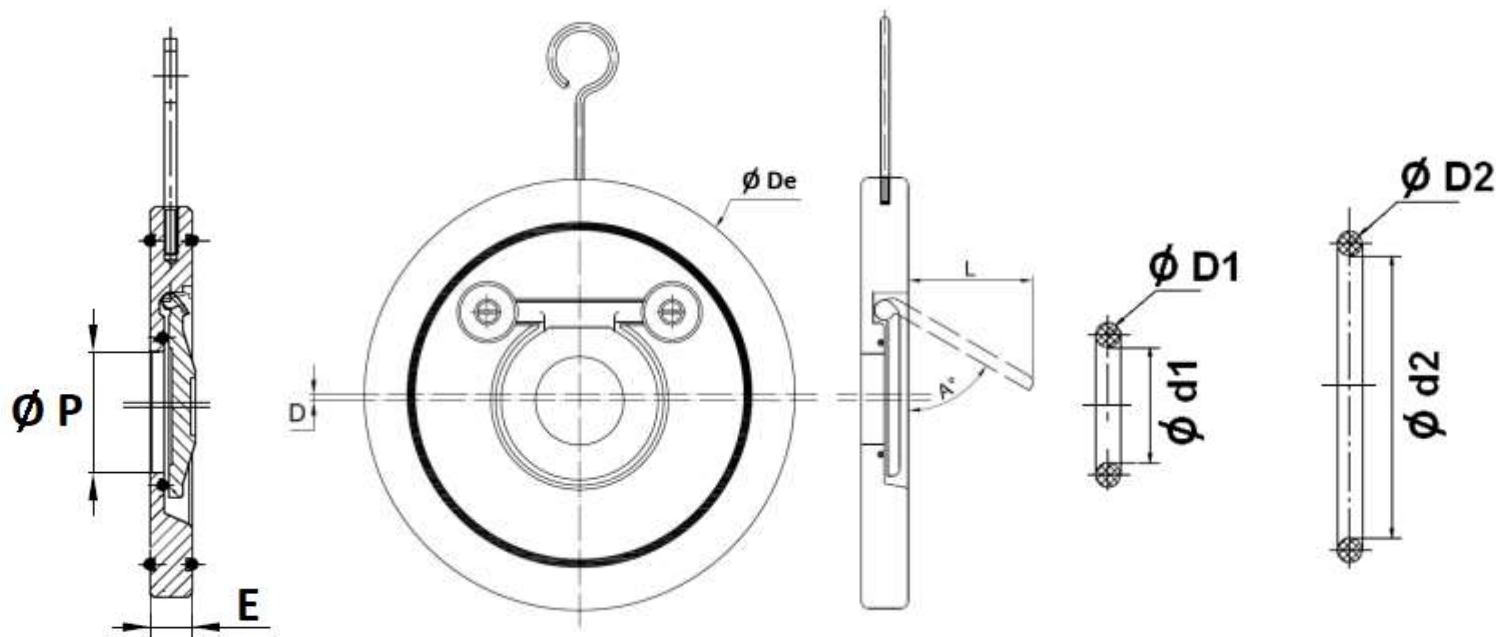
CARBON STEEL WAFER SWING CHECK VALVE NBR

SIZE (in mm) :

CLOSED CHECK VALVE

OPENED CHECK VALVE

GASKETS



DN	40	50	65	80	100	125	150	200	250	300
E	14	14	14	14	18	18	20	22	26	32
Ø De	94	109	129	144	164	194	220	275	331	386
Ø P	22	32	40	54	70	92	112	154	192	227
L	24.5	33	32	47.7	70.4	93	112	149.3	171.9	225.7
A (°)	54	54	34	43	55	60	59	58	53	61
D	1	1	2	3	3	5	5	5	6	10
Ø d2	70	80.5	100	107.5	134.5	158	186	240	284	328
Ø D2	3.8									6
Ø d1	24	34	46.5	59	72.5	93	113.5	156.5	194.5	231
Ø D1	3				3.8					6
Weight (Kg)	0.69	0.86	1.2	1.49	2.42	3.29	4.72	7.92	13.73	21.04
Ref.	351040	351050	351065	351080	351100	351125	351150	351200	351250	351300

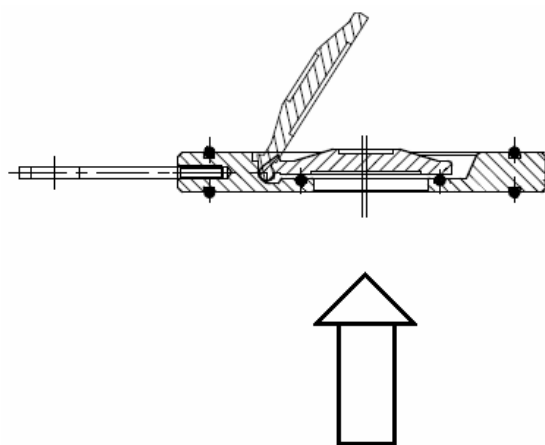
CARBON STEEL WAFER SWING CHECK VALVE NBR

STANDARDS :

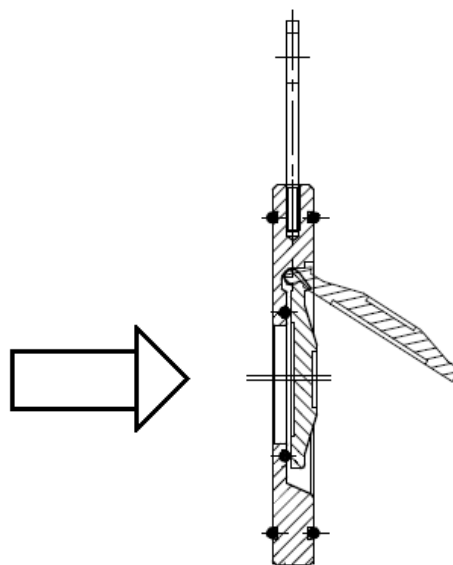
- Manufacturer certified ISO 9001 : 2015
- Designing according to API 594 and EN 16767
- Pressure tests according to API 598, table 6
- DIRECTIVE 2014/68/EU : Products excluded (article 4, § 3)
- Certificate 3.1 on request
- Length according to EN 558 series 97 (NF 29377)
- Between flanges according to EN 1092-1 PN10/16

INSTALLATION POSITIONS :

Vertical position (ascendant fluid)



Horizontal position



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