

# RETA Swing Check Valve PN 16

flanged type

JIHOMORAVSKÁ ARMATURKA spol. s r.o.



Body from grey cast iron.  
Face-to-Face: Series 48 EN 558-1 (previously F6).  
Two options of corrosion protection available.

## OFFER

RETA	Seat Material Body / Flap	Corrosion Protection	Nominal Size DN										
			40	50	65	80	100	125	150	200	250	300	
Type 001	brass / rubber	synthetic coating	■	■	■	■	■	■	■	■	■	■	■
Type 002	brass / brass		■	■	■	■	■	■	■	■	■	■	■
Type 003	stainless steel / detto		■	■	■	■	■	■	■	■	■	■	■
Type 004	stainless steel / rubber		■	■	■	■	■	■	■	■	■	■	■
Type 201	brass / rubber	epoxy powder coating	■	■	■	■	■	■	■	■	■	■	■
Type 202	brass / brass		■	■	■	■	■	■	■	■	■	■	■
Type 203	stainless steel / detto		■	■	■	■	■	■	■	■	■	■	■
Type 204	stainless steel / rubber		■	■	■	■	■	■	■	■	■	■	■

Order example: RETA type 204 DN 100

## DESCRIPTION

### Determination

Type 001 for water and non-aggressive liquids at permissible service temperature up to 70°C and permissible service overpressure max. 1,6 MPa.  
Types 002, 003 and 004 for water, steam and non-aggressive liquids at permissible service temperature up to 120°C and permissible service overpressure max. 1,6 MPa or:  
up to 150°C at max. overpressure 1,44 MPa; up to 180°C at max. overpressure 1,34 MPa; up to 200°C at max. overpressure 1,28 MPa.  
Types 201, 202, 203 and 204 for permanent contact with potable and raw water up to service temperature 50°C and permissible service overpressure max. 1,6 MPa.

### Application

One-way automatic valve avoiding back flow of service liquids. RETA is not a shut-off valve.

### Connecting Dimensions

According to EN 1092-2, flanges type 21 shape B (raised face). Other dimensions see in a back-page table.

### Materials of Main Parts

Body and cover is from grey cast iron, hanger and flap from ductile cast iron, pin from stainless steel 17%Cr.  
Seat ring from brass, stainless steel 17%Cr or EPDM rubber.  
Bolts, washers and nuts from steel.

### Corrosion Protection

Cast iron parts of types 001, 002, 003 and 004 are inside and outside coated with synthetic priming coat, outside furthermore synthetic top coat – grey shade.  
Types 201, 202, 203 and 204 are available with heavy corrosion protection. Cast iron parts with inside and outside epoxy powder coating – blue shade.  
Bolts, washers and nuts are zinc plated.

### Operation

Non-Return Valves are self operating.

### Installation and Maintenance

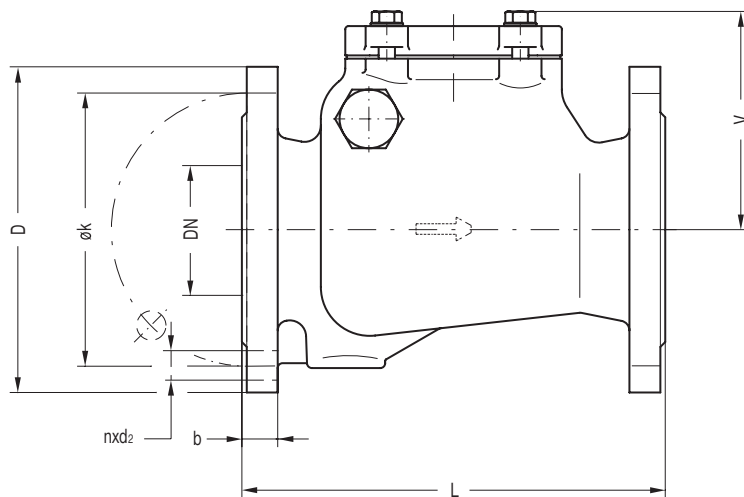
Installation in horizontal or vertical piping so that flow direction corresponds with arrow mark cast on the body. If installation is in horizontal piping – position of cover is to be up. For vertical piping – flow direction should be from down to up. Further details are stated in KAT 15 60-B.

### Testing

Tested with water as per DIN 3230 Part 4.

Modifications are possible upon agreement.

**DIMENSIONS (mm)**



Nominal Size	DN	40	50	65	80	100	125	150	200	250	300
Face-to-Face	L	180	200	240	260	300	350	400	500	600	
Dimensions	V	110	120	130	135	160	180	205	255	290	
Connecting Dimensions	b	18	20	20	22	24	26	26	30	32	
	D	150	165	185	200	220	250	285	340	405	
	d <sub>2</sub>	19	19	19	19	19	19	23	23	28	
	k	110	125	145	160	180	210	240	295	355	
	Holes, off n	4	4	4	8	8	8	8	12	12	
	Screw, size	M16	M16	M16	M16	M16	M16	M20	M20	M24	
Weight (kg)		9	10	14,5	18	27	40	53	82	124	

SWING CHECK VALVES



KAT 15 60-A Part 1, edition 1.

Manufacturer: Jihomoravská armaturka spol. s r. o.

Group:



VAG-Armaturen GmbH

Bopp & Reuther Group