

Non-return valve Series C



Design type	Wafer check valve with elastic sealing, O-rings are included as standard as flange seals in the scope of delivery
Connection	DN32...DN300 Installation between flanges according to EN1092 or rather ANSI B16.5 see table "Dimensions"
Application range	Fluids and gases of group 1 and 2 according to PED 2014/68/EU that do not attack the materials used.
Medium temperature	Steel galvanized: -10 ...+250°C Stainless steel 1.4401: -50 ...+510°C depending on the seal used
Operating pressure range	see Pressure-temperature diagram and depending on the flange used
Flow direction	Type CM any, Type CS from bottom to top or horizontal
Mounting position	horizontal or vertical
Approval	ATEX declaration Zones 1/2/21/22
Special versions	Installation between flanges PN6/PN64/PN100/ANSI150/ANSI300/ANSI600, oil-, grease- and silicone-free for oxygen, cleaned for drinking water

Order code

		C M - 2466 V - 32 - 01					
Type	Reset by spring force	M					
	Return by self-weight	S					
Materials	Disc and housing made of zinc-plated steel	2424					
	Housing Zinc-plated steel, Disc Stainless steel 1.4401	2466					
	Disc and housing made of stainless steel	6666					
Seal	NBR		B				
	EPDM		E				
	metallic		M				
	FKM		V				
	PTFE		T				
Nominal size			32...300				
Special version		described in the item text 01,02,03....					

Opening pressures in [mbar]:

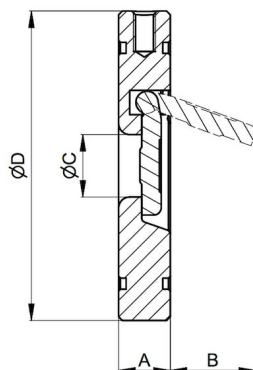
Nominal size DN[mm]	Flow direction CS		Flow direction CM		
					
DN40 - DN150	13	16	23	26	10
DN200 - DN300	19	22	32	35	10



Applications of the individual sealing materials:

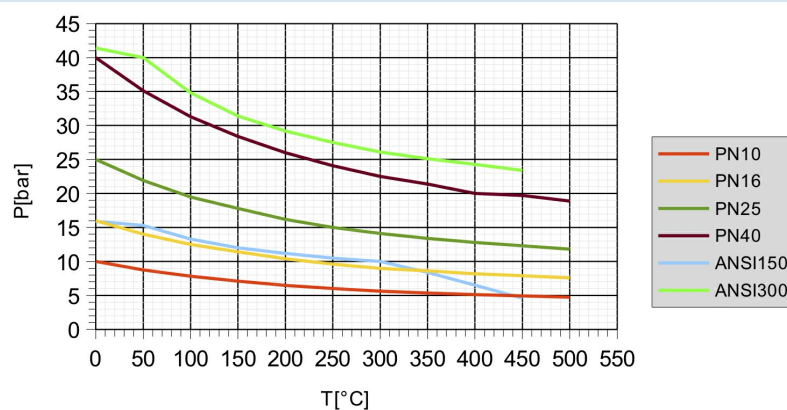
Seal	Temperature range [°C]	Application
NBR	-20...+120	neutral gases and liquids
EPDM	-40...+130	Hot water, Steam, Oxygen
FKM	-50...+260	Gasoline, Diesel, Air, Oils, Water, neutral gases and liquids
PTFE	-50...+260	aggressive media, Steam

Dimensions

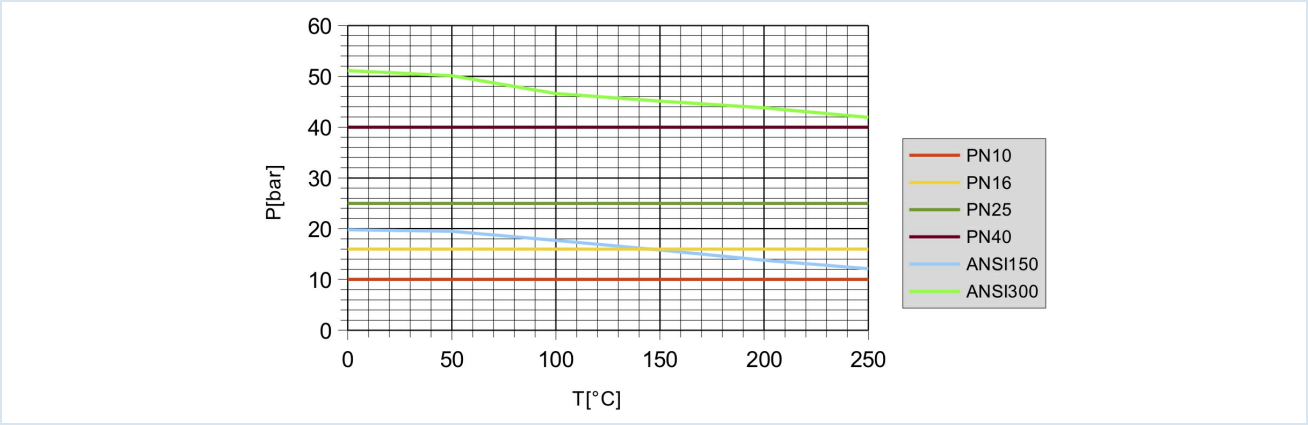


Nominal size DN[mm]	Flange nominal pressure EN1092	Flange nominal pressure ANSI B16.5	A	B	ØC	ØD	Kvs [m³/h]	Weight [approx. kg]	Type
32	PN10/16/25/40	ANSI300	14	20	17	84	7,5	0,5	C-.....-32
40	PN10/16/25/40	ANSI300	14	30	22	95	17,2	0,7	C-.....-40
50	PN10/16/25/40	ANSI300	14	35	32	109	25,4	0,9	C-.....-50
65	PN10/16/25/40	ANSI300	14	48	40	129	42,2	1,2	C-.....-65
80	PN10/16/25/40	ANSI300	14	60	54	144	67,0	1,5	C-.....-80
100	PN10/16	-	18	78	70	164	246,5	2,4	C-.....-100
125	PN10/16	ANSI150	18	98	92	195	547,4	3,4	C-.....-125
150	PN10/16	ANSI150	20	117	112	220	724,0	4,6	C-.....-150
200	PN10/16	-	22	160	154	275	1039,0	8,0	C-.....-200
250	PN10/16	-	26	200	200	330	1896,0	13,3	C-.....-250
300	PN10	-	32	235	240	380	2207,0	20,9	C-.....-300

Pressure-temperature diagram Stainless steel



Pressure-temperature diagram Steel



Illustrations non-binding
Design, dimensional and material changes reserved

Armatures / Pressure regulators, safety valves and accessories / Check valves / Swing check valve Series CM-6666