

DUAL PLATE WAFER CHECK VALVES

#200EN / #200ES

API 594

PN16

Cast iron ASTM A126 B

Nickel plated ductile iron

or stainless steel plates

Plain face ends

DN50 to DN600



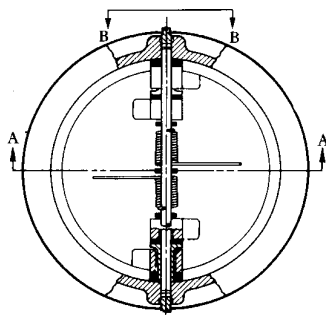
#200EN / #200ES

Dual plates

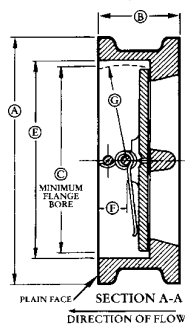
EPDM seal

Stainless steel springs

Stainless steel pins



This view is rotated 90° to show the actual opening position of the valve.
The pin must be vertical for horizontal flow.



SLIM

Applications - SLIM dual plate check valves provide instantaneous response to changes in velocity pressure for all fluid media compatible with the materials of construction. They are suitable for PN16 piping systems within the P/T limits shown and may be installed in almost any position. Low weight and short face-to-face dimensions mean easy installation without the need for expensive support. These high performance valves are widely used in all process industries.

Specification - manufacture conforms to the requirements of API 594 with valve inspection and test in accordance with API 598 under a total quality management system to ISO 9000. The body is in cast iron ASTM A126 B. The independently suspended dual plates are fabricated in either nickel plated ductile iron or 316 stainless steel. The circumferential seal is in EPDM. Springs and pins are in stainless steel. The valves have plain faced ends and are designed to fit between mating flanges.

DN	50	65	80	100	150	200	250	300	350	400	450	500	600
Kv	63	95	161	313	837	1743	3049	4707	6125	8478	11480	14970	23680

P/T ratings - maximum non-shock working pressure for cast iron body in accordance with API 598 with temperature limitation of elastomeric seat.

Temperature Range from -10°C up to +100°C.

Maximum Pressure Rating of 16 bar.

Materials

Part	Material	Part	Material
Body	ASTM A126 B	Springs	Stainless steel
Plates	200EN Nickel Plated Ductile Iron	Stop pin	Stainless steel 316
	200ES ASTM A351 CF8M SS	Hinge pin	Stainless steel 316
Seal	EPDM	Pin retainer	Stainless steel 316

Testing - each valve is hydrostatically tested to 24 bar at 38° Celsius.

Dimensions mm / Weights

DN	in	A	B	C	E	F	G	kg
50	2	109	54	52	60	25	28	1,8
65	2½	129	54	63	73	25	35	2,7
80	3	144	57	78	89	25	41	3,2
100	4	164	64	102	114	29	53	5,4
150	6	220	76	154	168	29	78	9,0
200	8	275	95	202	219	40	101	18,0
250	10	331	108	254	273	40	125	29,0
300	12	386	143	303	324	56	151	50,0
350	14	446	184	318	356	94	171	82,0
400	16	498	191	381	406	89	197	114,0
450	18	558	203	429	457	86	222	144,0
500	20	620	213	478	508	90	248	175,0
600	24	734	222	575	610	87	295	264,0