PROINVAL RESILIENT SEAT GATE VALVE FLANGED ENDS DIN NP 10/16/25 – F4 / F5

BVP-70

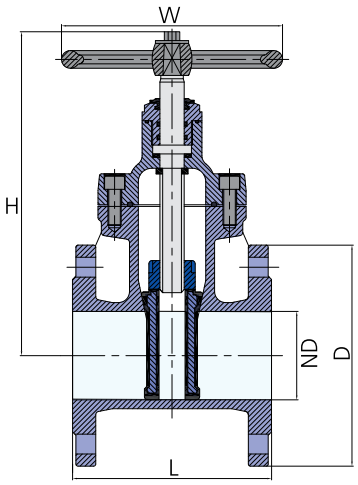
Proinval resilient seat gate valve BVP 70, made of ductile iron GGG50 was designed and elaborated to satisfy needs in various fields as supplying, pumping, service of drinking water, treatment, pumping of dirty waters, irrigation, hydraulic or public works…

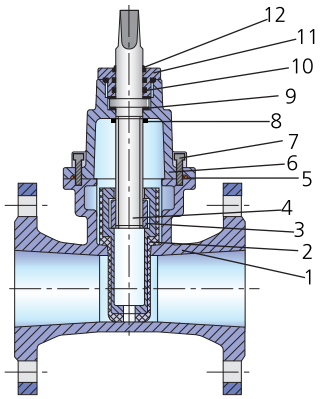
RANGE: from ND 40 to ND 600.
WORKING PRESSURE: NP 10 /16 /25.
FACE TO FACE LENGTH: DIN 3202 - F4 / F5.
COATING: EPOXY 250µmm.
TEMPERATURE: from -10ºC to 80ºC

FULL BORE
TIGHTNESS 100 %
MINIMUM HEAD LOSS
REPACKABLE UNDER PIPELINE PRESSURE
LOW TORQUE VALUES

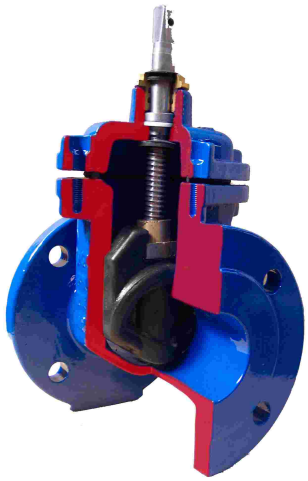
ND	L F4	L F5	H	w	D NP10	D NP16	D NP25
40	140	240	260	125	150	150	150
50	150	250	270	175	165	165	165
65	170	270	283	175	185	185	185
80	180	280	311	175	200	200	200
100	190	300	352	300	220	220	235
125	200	325	435	300	250	250	270
150	210	350	485	300	285	285	300
200	230	400	520	350	340	340	360
250	250	450	632	400	395	405	425
300	270	500	745	400	445	460	485
350	290	550	835	400	505	520	555
400	310	600	953	400	565	580	620
450	330	650	1120	700	615	640	670
500	350	700	1320	700	670	715	730
600	390	800	1445	700	780	840	845

Dimentions in mm.

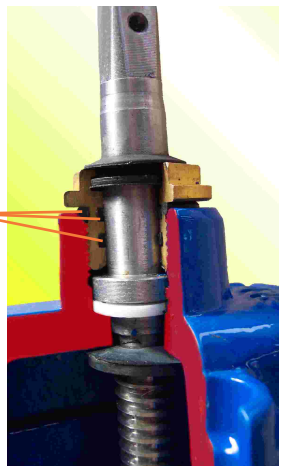




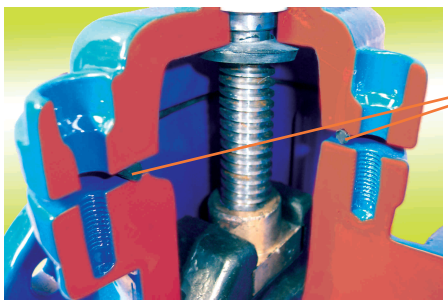
	DESCRIPTION	MATERIAL
1	BODY	DUCTILE IRON GGG50
2	WEDGE	DUCTILE IRON GGG50 / RESILIENT
3	STEM NUT	BRONZE
4	STEM	STAINLESS STEEL AISI 410
5	GASKET	NBR
6	BONNET	DUCTILE IRON GGG50
7	NUT	CADMIUN STEEL
8	O RING	NBR
9	NUT	PTFE
10	GASKET	NBR
11	NUT	BRONZE
12	GASKET	NBR
	HAND WHEEL	STEEL ST37



Detail to TRITORIC system



TRITORIC SYSTEM: Made of three "0" rings seals which guarantee total tightness for the long term. The design of the valve, according to DIN 3350, makes possible a substitution of the combined TRITORIC, even if the valve is under pressure, without dismounting out of the pipeline.



Gasket detail

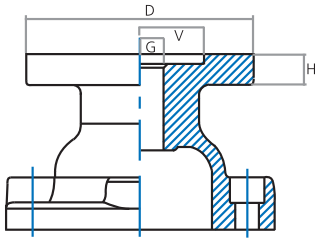
The valve´s bonnet is manufactured with the necessary space to receive the combined bonnet-body´s gasket, in order to have a better support area which allows total tightness.

BVP-70

PROINVAL RESILIENT SEAT GATE VALVE FLANGED ENDS DIN NP 10/16/25 – F4 / F5

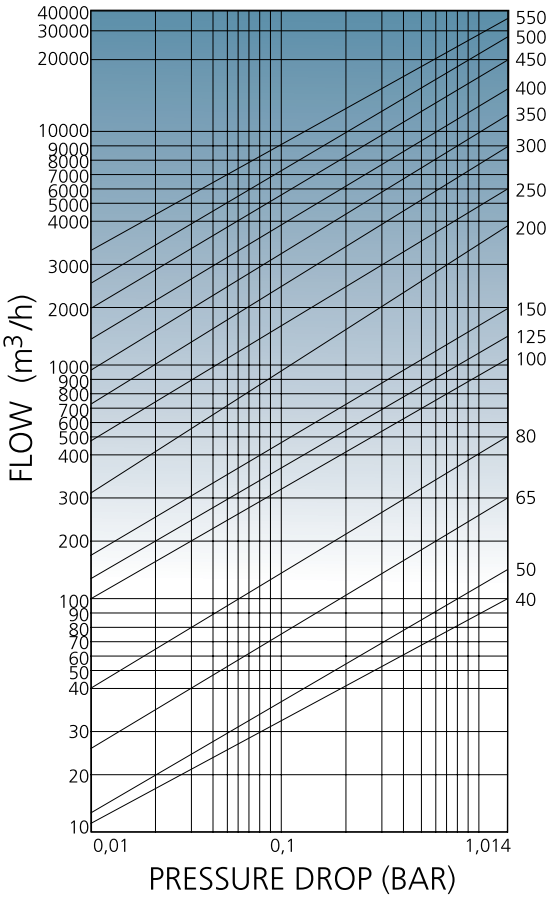
OPERATION TYPE:

MANUAL with hand wheel, cap or spindle extension.
AUTOMATIC with pneumatic or electric actuator.



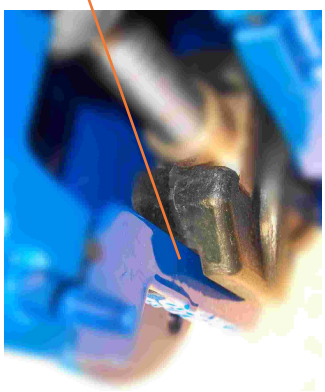
ND	D	G	V	H	TORQUE VALUES Nm. (PN16)	TURNS (PN16)	TOP FLANGE ISO 5211
40	125	16	70	12	40	10,5	F10
50	125	20	70	14	50	13	F10
65	125	20	70	14	65	17	F10
80	125	22	70	14	70	16,5	F10
100	125	26	70	16	90	20,5	F10
125	125	28	70	16	110	25,5	F10
150	125	29	70	16	130	30,5	F10
200	175	32	100	18	180	34	F14
250	175	36	100	18	230	42,5	F14
300	175	38	100	18	270	50,5	F14
350	175	42	100	20	300	44,5	F14
400	175	44	100	20	340	50,5	F14
450	210	48	130	24	400	57	F16
500	210	52	130	24	500	63,5	F16
600	210	52	130	24	800	75,5	F16

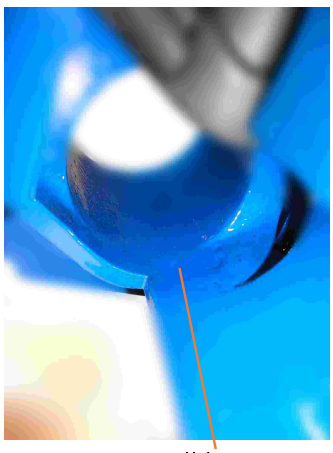
FLOW CHARACTERISTIC CHARTS



Straight pipe-shaped flow ways

The gate valve in ductile iron GGG50, is fullly vulcanized interior/exterior with EPDM. Inside the body, we can find the straight pipe-shaped which guide the gate and avoid rubber friction in the closing area.





The design at the bottom of the valve is tubular. The full bore of the valve, without cavity and closing groove at the bottom avoid turbulences and head loss. It also prevents the deposit stones, dust, gravel, mud or any other materials.
During the closing operation, the VENTURI effect clean the botom of the valve. Once open there is nothing which obstruct for water to pass through.

Full bore