

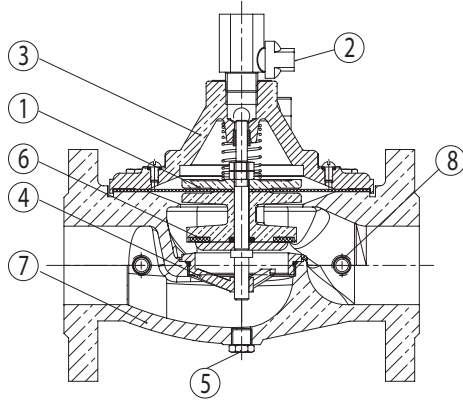
# STANDARD MAIN VALVE



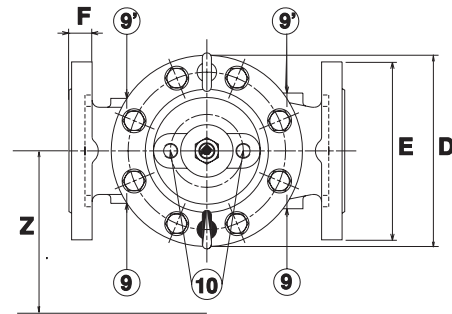
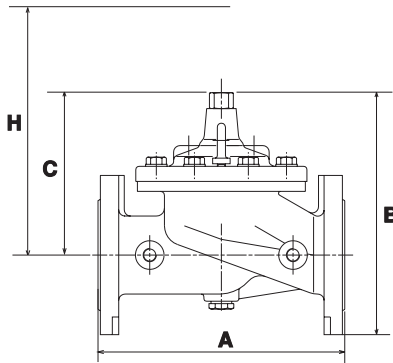
## Description

- Clear water screened at 2mm
- DN 40 to 300 mm : flange connection
- Cast iron/ductile iron epoxy coated I/E : 150μ +/- 50μ
- Minimum upstream pressure : 1 bar
- Maxi. upstream pressure : 16 bar (according to PN)
- T° max : 90°C - T° min : -1°C
- Flange version : PN according to EN 1092-2
- Threaded version : 1.1/2" F/F
- Vertical mounting : Please consult us

## Technical informations



No	Description	Material
1	Membrane	Reinforced NBR
2	Drain cock on top cap	Brass
3	High pressure top cap	Cast iron
4	Replaceable streamlined seat	Bronze
5	Body drain plug	Brass
6	Reversible seat seal	NBR
7	High pressure body	Cast iron
8	Holes for pressure gauges	



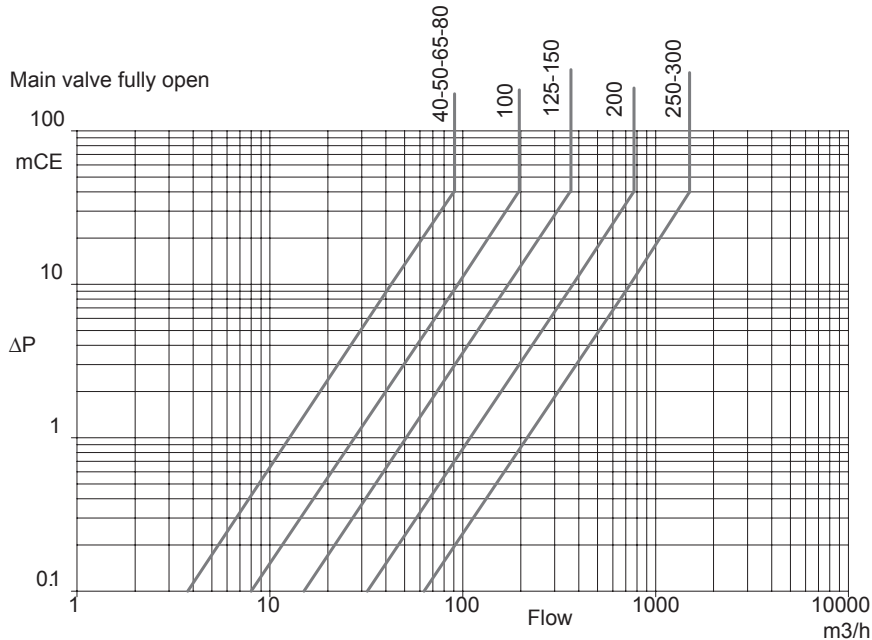
DN	A	B	C	D	E	F	H	Z	Poids	9	9'	10
mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	inch	inch	inch
40	243.5	240	160	170	165	20	320	420	13	1/4	1/4	1/4
50	243.5	240	160	170	165	20	320	420	13	1/4	1/4	1/4
65	279	255	160	170	200	22	335	420	15	1/4	1/4	1/4
80	279	255	160	170	200	22	335	420	15	1/4	1/4	1/4
100	306	315	205	208	235	24	390	458	29	1/4	1/4	1/4
125	419.5	370	240	285	270	26	420	535	46	1/4	1/4	3/8
150	421	380	240	285	300	26	420	535	50	1/4	1/4	3/8
200	529	490	330	367	360	30	490	617	95	1/4	1/4	3/8
250	755.5	690	490	575	425	32	530	825	360	3/8	1/4	3/4
300	760	720	490	575	485	32	500	825	330	3/4	3/4	3/4

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## How to select the right size

DN	Mini flow	Max. flow	KV	
mm	m3/h	m3/h	m3/h	l/s
40	0.4	20	42.5	11.81
50	0.5	32		
65	0.8	40		
80	1.15	50		
100	1.5	80	94.5	26.25
125	3	100	170.5	47.36
150	4.5	150		
200	10	300	373.5	103.75
250	15	550	740	205.56
300	25	850		

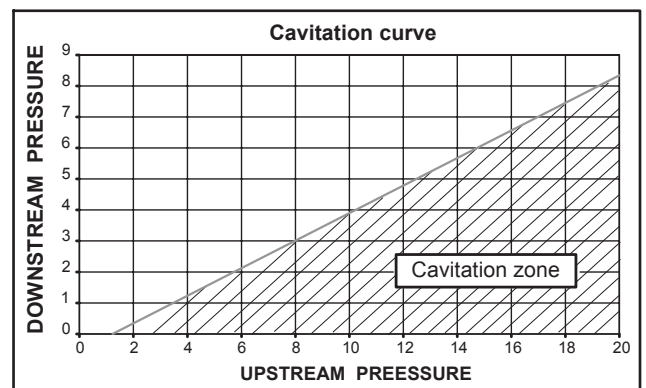
## Head loss chart



## Cavitation

A too large differential pressure and a low downstream pressure may result in damage to the valve by cavitation

To avoid it, refer to the cavitation curve and if needed, reduce the differential pressure by installing and connecting two or more control valves in same line (consult us).



## Maintenance

We recommend a maintenance programme of between 6 to 12 months according to the quality of the water and to the pressure :

- Purging the upper chamber
- Flushing the valves not frequently used
- Checking and cleaning filters of the pilot circuit and main piping system.
- Checking the working (pressures)
- dismantling
- cleaning of main valve and pilot valve
- preventive removing of the seals (set available - please piping system.
- reassembling and tests.

Every 5 years, general maintenance is advisable :