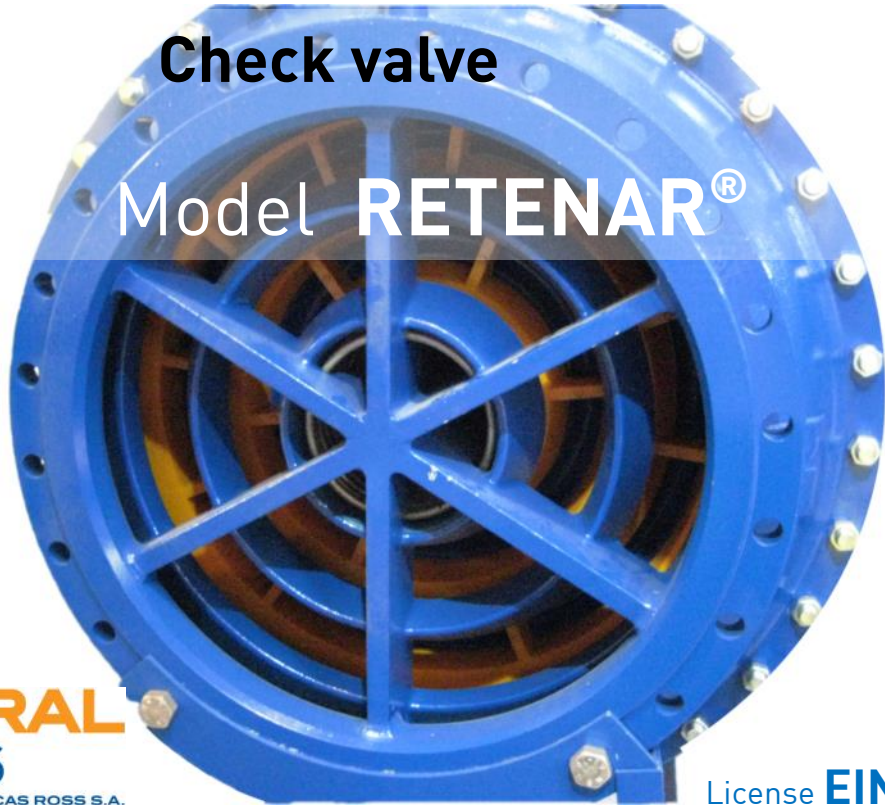


Check valve

Model RETENAR®



by



License **EINAR**

Mistral Ross presents its check valve **RETENAR** by **EINAR** with hundreds of installations working for decades. This valve performs as close as it can be to the perfect check valve. Its simple design offers all the virtues to minimize the water hammer due to pump shut off.

OPERATION

A check valve or non-return valve must close precisely when the flow passing through it is cut-off. However, most check valves close with a certain time delay due to the high inertia of the shutters, and the friction of the axes and moving parts. This time delay in shut off, which can seem irrelevant at tenths of a second, can still cause a surge or very pronounced water hammer, which is recognizable by its typical loud banging noise.

A check valve is optimized by it closing exactly when the flow reverses, which is the principle upon which the **RETENAR** safety check valve is designed, as it is fitted with:

- ❑ A lightweight flexible plastic shutter
- ❑ A very short travel distance for fast closing

The **RETENAR** safety check valve is characterized by:

- causing no water hammer on closing
- silent (inaudible) closing
- moderate headloss
- driptight
- works in any position
- compact, lightweight



APPLICATIONS

- Pumping stations for water supply, irrigation, partially treated or light load wastewater
- Industrial process water circuits

MANUFACTURING RANGE AND DIMENSIONS

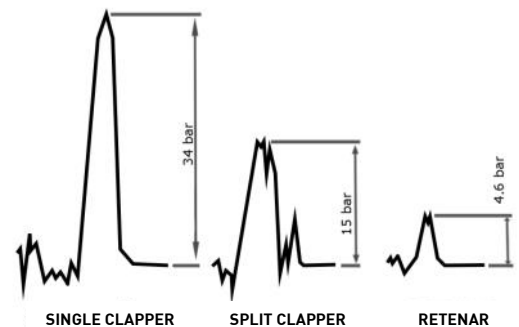
TYPE		DIMENSIONS (mm)				Weight (kg)
		DN	PN	Max .Ø	Width	
WAFER	I	80	10-50	142	87	2
		100		162	110	5,5
		150		218	150	18
	II	200	10-50	271	124	22
		250		326	148	40
		300		376	176	58
		350		435	220	92
	III	400	10-40	485	190	98
		450		537	215	232
		500		590	238	178
		600		690	286	282
W/FLANGES	IV	700	10-25	1120	500 / 500 / 520	780
		800		1180	522	970
		900		1480	710	1650
		1000		1500	730	1870
	V	1200	10-16	1890	900	2850
		1400		1970	1036	4900

VALVE MATERIALS

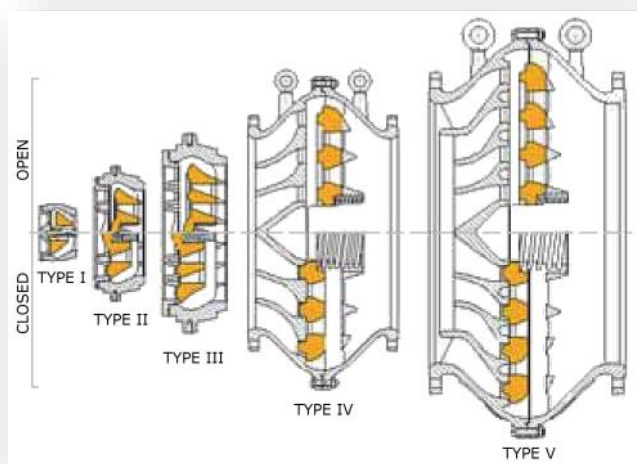
Body	Ductile iron GJS 400-15/ GJS500-7
Cover	Ductile iron GJS 400-15/ GJS500-7
Axial disc	Polyurethane
Spring	Stainless Steel AISI 304
O-ring	Nitrile/EPDM

Check for other materials

WATER HAMMER *



* Readings taken for a 5 bar delivery pressure.



NOTE: The data provided in this catalogue supplied as a guideline. Mistral Ross may make changes in these features for technical or commercial reasons.

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