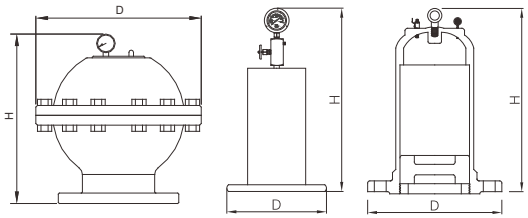
Straight type water hammer arrester

Water hammer arrester is used to absorb the shock caused by sudden stop in the speed of water or change in direction. It protects against noise and potential damage of water hammer in the piping system.



- Certificate: ISO
- Standard: Refer to NFPA 20, ASSE 1010, PDI-WH 201
- Connection: Threaded as NPT or BSPT, flanged as ANSI or EN 1092
- Feature: Adjustable air bag pressure
- Temperature: -15°C to 60°C (NBR diaphragm), -15°C to 80°C (Viton diaphragm)
- W. pressure: 12 bar for bronze / CI, 20 bar for DI / SS, 16 bar for CS / 25 bar for SS (source 2)
- Surface: Rough SS / CI / DI / CS / Bronze



Main parts and material

Cover	Ductile iron, cast iron, stainless steel, carbon steel or bronze	**Base seat**	Ductile iron, cast iron, stainless steel, carbon steel or bronze
Diaphragm	Bowl shape, NBR / Viton	**Pressure gauge**	Not fitted for threaded type / fitted for flanged type

Available size (Source 1 diaphragm type)

Size		Dimension (mm)		Connection	Working pressure (bar)	Ref. No.
Inch	DN	H	D			
1/2"	15	74	46	THD	12 / 20	U4101
3/4"	20	82	52	THD	12 / 20	U4102
1"	25	95	62	THD	12 / 20	U4103
1-1/2"	40	120	110	THD	12 / 20	U4104
2"	50	162	135	THD	12 / 20	U4105
2-1/2"	65	180	155	THD	12 / 20	U4106
3"	80	218	188	THD	12 / 20	U4107
4"	100	260	238	THD	12 / 20	U4108
3"	80	240	155	FLG	12 / 20	U4109

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Available size (Source 1 diaphragm type)

Size		Dimension (mm)		Connection	Working pressure (bar)	Ref. No.
Inch	DN	H	D			
4"	100	330	330	FLG	12 / 20	U4110
5"	125	330	330	FLG	12 / 20	U4111
6"	150	420	400	FLG	12 / 20	U4112
8"	200	510	460	FLG	12 / 20	U4113
10"	250	510	460	FLG	12 / 20	U4114
12"	300	620	625	FLG	12 / 20	U4115

Note: For flanged connection, it is available with ANSI B16.1 Class 125 / 250, B16.42 Class 150 / 300, EN 1092-2 PN10 / PN16 / PN25, etc.

Available size (Source 2 piston type)

Size		Dimension (mm)		Connection	Working pressure (bar)	Ref. No.
Inch	DN	H	D			
1-1/2"	40	450	145	FLG	16 / 25	U4121
2"	50	460	160	FLG	16 / 25	U4122
2-1/2"	65	480	180	FLG	16 / 25	U4123
3"	80	490	195	FLG	16 / 25	U4124
4"	100	495	220	FLG	16 / 25	U4125
5"	125	570	245	FLG	16 / 25	U4126
6"	150	640	275	FLG	16 / 25	U4127
8"	200	690	340	FLG	16 / 25	U4128
10"	250	820	405	FLG	16 / 25	U4129
12"	300	920	460	FLG	16 / 25	U4130