

# CAG<sub>SS</sub>

# CAV GUARD

## SUCTION DAMPER CAVITATION PREVENTOR



**Bubble-Generation**, making bubbles work for you, but keep away from suction. No moving parts dampers since 1965

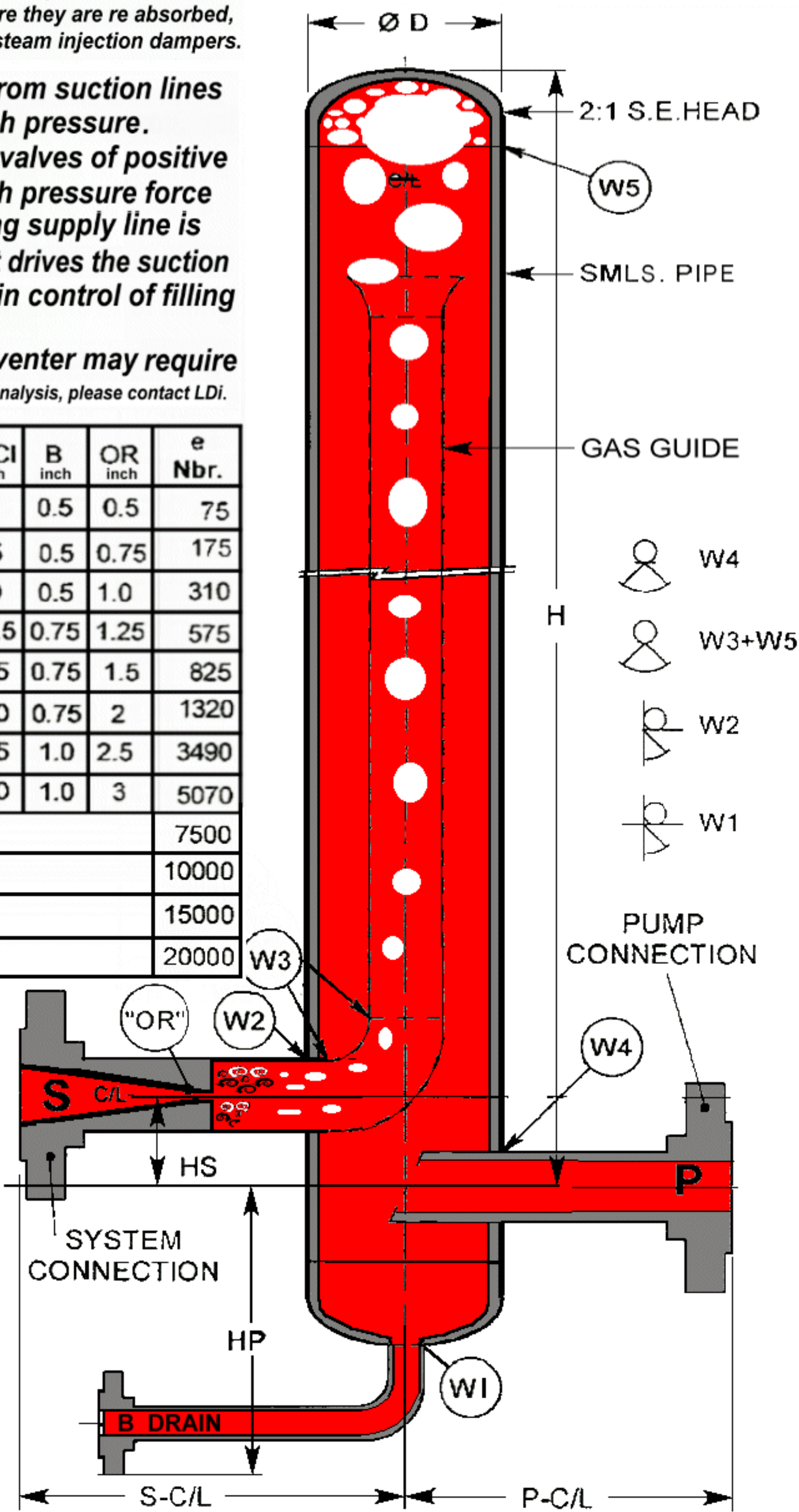
The CavGuard is the age old suction side "Stand Pipe" with a couple of differences. It is forced to replenish its bubble cap, but the bubbles, before they are re absorbed, are forced to rise away from the pump suction intake. Like steam injection dampers.

The orifice is chosen to remove excess force from suction lines that are supplied by centrifugal pumps at a high pressure. The suction line is destabilizing suction check valves of positive displacement reciprocating pumps. Too much pressure force combined with a large driving mass from a long supply line is the worst enemy of efficient pumping, because it drives the suction side when the pump has been designed to be in control of filling itself.

Selecting a cavitation or suction hammer preventer may require suction system analysis. Hardware prices do not absorb analysis, please contact LDi.

PART Nbr.	System 150# S inch	to Pump 150# P inch	PRICE \$ or €	D inch	H feet	S-CI inch	P-CI inch	B inch	OR inch	e Nbr.
CAG <sub>SS</sub> 1	0.75	1		4.5	5'	4.75	5	0.5	0.5	75
CAG <sub>SS</sub> 2	1.0	1.5		6.6	5'	7	7.5	0.5	0.75	175
CAG <sub>SS</sub> 3	1.5	2		8.6	5'	9.5	10	0.5	1.0	310
CAG <sub>SS</sub> 4	2.0	2.5		10.7	6'	12	12.5	0.75	1.25	575
CAG <sub>SS</sub> 5	2.5	3		12.7	6'	14.5	15	0.75	1.5	825
CAG <sub>SS</sub> 6	3	4		16	6'	19	20	0.75	2	1320
CAG <sub>SS</sub> 7	4	5		20	10'	24	25	1.0	2.5	3490
CAG <sub>SS</sub> 8	5	6		24	10'	26	30	1.0	3	5070
<b>SPECIALS TO ORDER</b>										7500
										10000
										15000
										20000

<b>MATERIAL SPEC:</b>	
HEADS	
PIPE	
ELBOW	
FLANGES	
CUSTOMER:	
CUSTOMER REF.:	
QUANTITY:	
W/O No.:	
WEIGHT (EST.):	
ISSUED BY:	
CHECKED BY:	
ISSUED BY:	(DAY/MONTH/YEAR)



**PULSE GUARD** Inc & Ltd  
 In Assoc. with Liquid Dynamics  
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**SPEC. / FEATURES**  
 Requires No Gas pre-fill, No Foam or Membrane to degrade - "Foamless & Bladderless"  
**NO MOVING PARTS AT ALL**

**FUNCTION** Enables instant filling of pump suction Prevents negative pressure wave from breaking the suction supply column. Prevents over pressurized supply from destabilizing pump check valves.

FILE REF.: CAGVW.TIF  
 SCALE: NTS  
 VIEW NO.  
**CaG / /19 Br**  
 SHEET: 1 OF 1 REV. 0