EWVAD

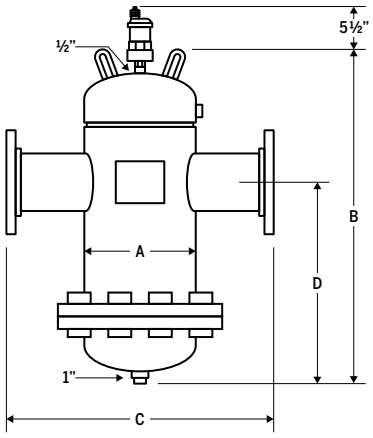
STANDARD / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- Standard velocity up to 6 f/s
- The media can be removed for maintenance or replacement
- Equipped with Calvent automatic air vent (#CV050)
- Supplied with a drainage valve

TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: brass
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.



Model#	Connection		Maximum flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVAD-2	2	51	69	260	9	229	18½	470	15¼	387	11½	292	64	29
EWVAD-2-NPT	2	51	69	260	9	229	18½	470	10⅜	264	11½	292	55	25
EWVAD-2.5	2½	64	108	408	10	254	18½	470	15¾	400	11½	292	82	37
EWVAD-2.5-NPT	2½	64	108	408	10	254	18½	470	11	279	11½	292	70	32
EWVAD-3	3	76	144	544	11	279	23	584	20¼	514	14½	368	113	51
EWVAD-3-NPT	3	76	144	544	11	279	23	584	12½	318	14½	368	198	90
EWVAD-4	4	102	255	964	13½	343	23	584	20⅝	524	14½	368	168	76
EWVAD-4NPT	4	102	255	964	13½	343	23	584	15	381	14½	368	153	69
EWVAD-5	5	127	398	1504	16	406	31	787	27¾	705	19½	495	245	111
EWVAD-6	6	152	570	2155	19	483	31	787	27¾	705	19½	495	347	158
EWVAD-8	8	203	945	3572	23½	597	36	914	33⅝	854	24½	622	451	205
EWVAD-10	10	254	1440	5443	27½	699	46	1168	37½	953	32½	825	711	323
EWVAD-12	12	305	2100	7938	32	813	54	1372	42½	1080	38	965	1121	510
EWVAD-18	18	457	4700	17766	46	1168	72	1829	48	1219	50	1270	1850	840

QUANTITY: _____ **MODEL: EWVAD-** _____

MAXIMUM PRESSURE: ☐ 250 PSI / 17 bar ☐ 200 PSI / 13 bar ☐ 150 PSI / 10 bar ☐ Other*: _____

Notes: _____

Project: _____ Representative: _____

Location: _____ Date submitted: _____

Engineer: _____ Approved by: _____

Contractor: _____ Date of approval: _____

*Subject to the manufacturer's approval.

SPECIFICATIONS: Furnish and install as shown on the plans and described herein, a EWVAD standard velocity coalescent dirt separator as manufactured by Calefactio. Each separator must be designed with a pressure purger, drain valve, and automatic air vent. The separator must also be equipped with a replaceable stainless steel coalescing media to facilitate the separation of air and dirt in the system entrained water. The separator must be constructed in accordance with the latest revision of the ASME Boiler and Pressure Vessel Code and stamped _____ psi working pressure and a 121°C (250°F) maximum operating temperature. Each separator shall be Calefactio model EWVAD_____ or approved equal.

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EWVAD

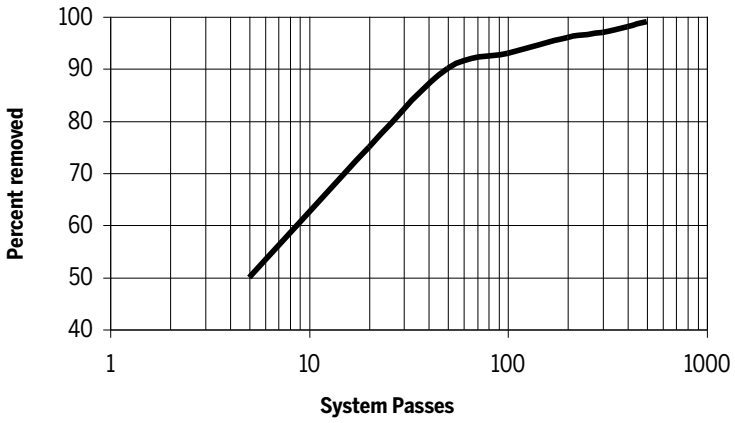
DIRT REMOVAL

Dirt flowing with the system water is diverted to the EWVA – Dirt Separator. As this flow enters the unit, dirt particle removal (dependent on system cycles) is measured according to particle size. Results from testing are revealed in charts A & B below.

SOLIDS REMOVAL
15 to 70 micron partical mix

90% of dirt (in the 15 to 70 micron size) is separated and diverted to the bottom of the Calefactio Coalescent Dirt Separator. With continual system cycling, dirt removal will approach 99%.

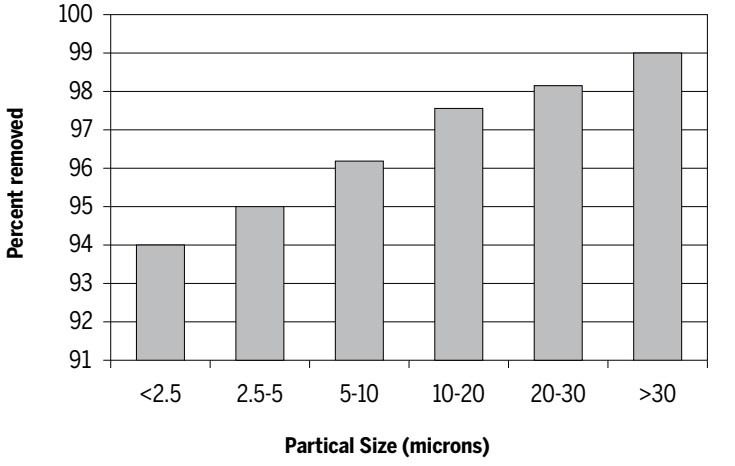
Chart A



SOLIDS REMOVAL
Particle Size

Chart B reveals the particle size removal percentage in 24 hours of operation. For example, 97.5% of particles in the 10 to 20 micron size range were separated with 24 hours.

Chart B



Quebec, Canada
T 450 951.0818
F 450 951.2165

calefactio_solutions
calefactio
calefactio-solutions-inc

calefactio.com

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