

Filter Housing CAHn –WS (/40)

Condensate Separators (up to 40 bar)

DESCRIPTION

With a new die-casting technology many various advantages have been obtained, such as great mechanical resistance, weight reduction, elimination of all porosity problems and a wide range of customized solutions available.

The CAHn-WS separator is developed with rounded surfaces and designed to obtain a constant flow through the entire contact surfaces of the separator so as to reduce pressure drops.

For larger ranges stainless steel CAHn-WS separators are available in different sizes from DN100 to DN200 (upon request ANSI) with flow rates that cover a range from 40.000l/min to 200.000 l/min.

In the CAHn-WS/40 40 bar special series the thicknesses are greater to insure the high pressure system.

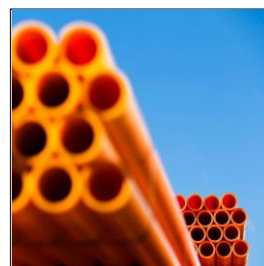
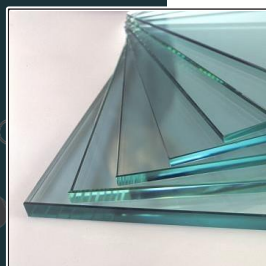


APPLICATIONS⁽²⁾

- Painting applications
- Automotive Industry
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- General industrial applications

⁽¹⁾ For any other technical gas please contact us.

⁽²⁾ CAHn -WS filter housing can be used in variety of applications. For applications not listed please contact us.



STANDARD REFERENCE CONDITIONS

	CAHn-WS	CAHn-WS/40
Ambient temperature	25°C	25°C
Working Pressure	7	7
Inlet air temperature	20°C (60°C max.)	20°C (60°C max.)

SIZES

CAHn-WS 16 bar max pressure

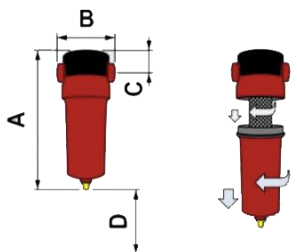
Filter Housing	Conn. Size inch	Max pressure Bar	Flow Capacity		Dimensions (mm)				Weight Kg
			Nm ³ /h	cfm	A	B	C	D	
CAHn10-WS	3/8	16	30	18	220	90	25	60	0.6
CAHn15-WS	1/2	16	60	35	220	90	25	80	0.6
CAHn20-WS	3/4	16	180	106	280	90	25	100	0.7
CAHn25-WS	1	16	300	176	305	120	37	120	1.1
CAHn40-WS	1 1/2	16	570	335	385	120	37	120	1.3
CAHn50-WS	2	16	990	582	500	165	54	150	3.6
CAHn65-WS	2 1/2	16	1320	776	675	165	54	150	4.7
CAHn80-WS	3	16	2700	1588	710	200	65	200	6.2
CAHn100-WS/AL	DN100	16	2400	1412	757	544	110	-	6.5
CAHn125-WS/AL	DN125	16	3000	1765	772	608	125	-	6.8
CAHn100-WS	DN100	12	2400	1412	780	420	210	-	40
CAHn125-WS	DN125	12	3900	2297	790	445	233	-	54
CAHn150-WS	DN150	12	6600	3882	845	523	290	-	80
CAHn175-WS	DN175	12	7500	4412	930	606	310	-	116
CAHn200-WS	DN200	12	12000	7059	1025	657	340	-	156

CAHn-WS/40 40 bar max pressure

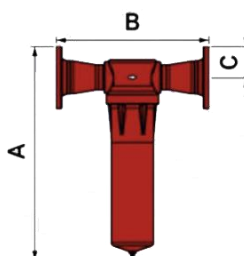
Filter Housing	Conn. Size inch	Max pressure*	Flow Capacity		Dimensions (mm)				Weight Kg
			Nm ³ /h	cfm	A	B	C	D	
CAHn10-WS/40	3/8	40	108	64	188	94	18	-	1.5
CAHn15-WS/40	1/2	40	216	127	188	94	18	-	1.5
CAHn20-WS/40	3/4	40	432	254	252	94	20	-	1.8
CAHn25-WS/40	1	40	972	572	350	120	30	-	3.8
CAHn40-WS/40	1 1/2	40	1620	953	350	120	30	-	4.2

*Flow rate at 40 bar

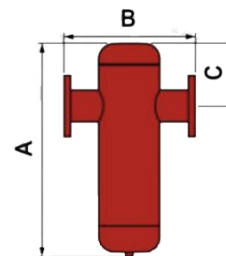
CAHn10-WS - CAHn80-WS
CAHn-WS/40 series



CAHn100-WS/AL - CAHn125-WS/AL



CAHn100-WS - CAHn200-WS



CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal capacity by the appropriate correction factor(s)

CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{op}

OPERATING PRESSURE


Line pressure	1	2	3	5	7	9	11	13	15	16
C _{op}	0.38	0.53	0.65	0.85	1	1.13	1.25	1.36	1.46	1.51

Line Pressure	7	10	13	16	20	24	28	32	36	40
C _{op}	0.2	0.27	0.35	0.42	0.52	0.61	0.71	0.81	0.90	1

MAINTENANCE

Once per year make a visual check of separator housing and make sure there is no visual damage. At least every six months check if condensate drain is operating properly.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008	
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