KELTEC

COMPRESSED AIR FILTERS

Compressed Air Filters

Compressed Air Filtration.
Pure Air. Powerful Performance.

Even in today's high-tech world, compressed air remains the driving force behind countless industrial processes. Its versatility and efficiency make it indispensable but also vulnerable. Contaminants from the atmosphere and the compressor itself can lead to corrosion, component wear, and costly downtime.

The Ultimate in Compressed Air Filtration

KELTEC's advanced line of coalescing filters is engineered to deliver exceptional air purity, energy efficiency, and long-term reliability. Designed and tested to meet the highest industry standards, our filters ensure that your systems operate cleaner, longer, and with less maintenance.

Our comprehensive filter range supports virtually any flow rate and operating condition, offering solutions for:

- High-efficiency coalescers
- Particulate/general-purpose coalescers
- Adsorptive carbon filters
- Performance designed to comply with ISO 8573-1 standards

Together, these provide reliable protection for all compressed air applications.

View our CAH Filtration Line>

Features

- **Superior Coalescing Performance:** Engineered to meet ISO 8573 compressed air quality classification
- **Durable and Pressure-Resistant:** Fluted stainless-steel tube resists collapse and pressure drops while enhancing performance through diagonal airflow.
- **Efficient Water/Oil Drainage:** PVC-impregnated foam promotes optimal separation and drainage.
- **High Energy Efficiency:** Low pressure drops minimize energy use without compromising performance.
- **High Filtration Capacity:** Removes particles as small as 0.01 micron at pressures up to 290 psi.
- **Minimized Compressed Air Loss:** Optional zero-loss drain preserves valuable air and efficiency.
- **Easy Maintenance:** Durable construction and ergonomic plastic handles allow fast, clean element replacement.
- **Third-Party Tested:** Independent testing confirms reliable, repeatable performance.

Separators | Oil Filters | Intake Air Filters | Coalescing Filters | Compressed Air Filters | Dryers

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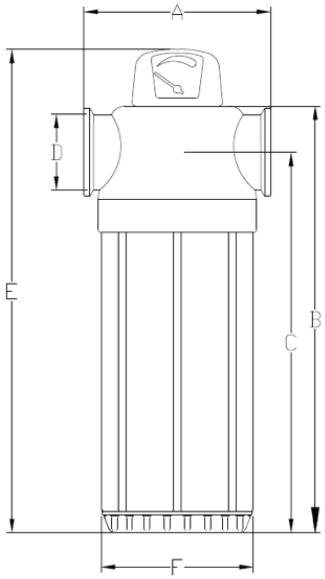

Compressed Air Filters – CAH-NTR Series

ELEMENT SPECIFICATIONS				
Grade	P Prefilter	X General Purpose	Y Oil Removal	A Activated Carbon
Filter Efficiency (micron)	5 (micron)	1	0.01	0.01
Max Oil Carryover (ppm)	5 (ppm)	0.50	0.01	0.001

HOUSING MODEL	Connection Size	Flow Rate cfm (M^3/h)	MAX PSI (BAR)	Element (P/X/Y)	HOUSING DIMENSIONS				
					A IN / MM	B IN / MM	C IN / MM	D IN / MM	E IN / MM
CAH-NTR-0040-NPT	1/2"	40	290(20)	KP0040	5.04 / 128.00	10.63 / 270	9.70 / 246.38	1/2"	12.40 / 315
CAH-NTR-0060-NPT	1/2"	60	290(20)	KP0060	5.04 / 128.00	11.81 / 300	10.88 / 276.35	1/2"	13.58 / 345
CAH-NTR-0090-NPT	3/4"	90	290(20)	KP0090	5.51 / 139.95	14.37 / 365	13.03 / 330.96	3/4"	16.14 / 410
CAH-NTR-0130-NPT	1"	130	290(20)	KP0130	5.51 / 139.95	15.55 / 395	14.19 / 360.43	1"	17.32 / 440
CAH-NTR-0235-NPT	1 1/2"	235	290(20)	KP0235	5.51 / 139.95	22.05 / 560	20.39 / 517.91	1 1/2"	23.82 / 605
CAH-NTR-0350-NPT	1 1/2"	350	290(20)	KP0350	5.94 / 150.88	24.41 / 620	22.62 / 574.55	1 1/2"	26.18 / 665
CAH-NTR-0470-NPT	2"	470	290(20)	KP0470	5.94 / 150.88	27.16 / 690	25.37 / 644.40	2"	28.93 / 735
CAH-NTR-0700-NPT	2"	700	290(20)	KP0700	5.94 / 150.88	38.19 / 970	36.39 / 924.30	2"	39.96 / 1015
CAH-NTR-0910-NPT	2 1/2"	910	290(20)	KP0910	9.45 / 240.00	27.58 / 700.50	25.71 / 653.03	2 1/2"	29.35 / 745.50
CAH-NTR-1175-NPT	3"	1175	290(20)	KP1175	9.45 / 240.00	33.74 / 857	31.87 / 809.50	3"	35.51 / 902
CAH-NTR-1600-NPT	3"	1600	290(20)	KP1600	9.45 / 240.00	38.62 / 981	36.75 / 933.45	3"	40.39 / 1026

Correction Factor:

For maximum flow rate of the filter model, multiply model flow rate shown in the below table by the correction factor corresponding to the working pressure.

Housings can be fitted together with the use of Fixing clamps.

Head Clamping:
CAH-CL housing clamps provides safe serial connection of filters without any extra piping. KWMD Wall Mounting Clamps are used to connect the filters to the wall easily.

Zero Clearance:
Our upgraded CAH-NTR filters offer a true zero clearance design, providing quicker, easier, simpler filter changes, with no need for any special tools.

CAH-NTR Housings	CONN Size (NPT)	Clamps	Wall Mounts
CAH-NTR-0040-NPT	1/2"	CAH-CL050	KWMD-1
CAH-NTR-0060-NPT	1/2"	CAH-CL050	KWMD-1
CAH-NTR-0090-NPT	3/4"	CAH-CL075-1 1/4	KWMD-2
CAH-NTR-0130-NPT	1"	CAH-CL075-1 1/4	KWMD-2
CAH-NTR-0235-NPT	1 1/2"	CAH-CL075-1 1/4	KWMD-2
CAH-NTR-0350-NPT	1 1/2"	CAH-CL075-1 1/4	KWMD-2
CAH-NTR-0470-NPT	2"	CAH-CL0200	KWMD-4
CAH-NTR-0700-NPT	2"	CAH-CL0200	KWMD-4
CAH-NTR-0910-NPT	2 1/2"	CAH-CL250-300	KWMD-5
CAH-NTR-1175-NPT	3"	CAH-CL250-300	KWMD-5
CAH-NTR-1600-NPT	3"	CAH-CL250-300	KWMD-5

Drain Options

3 Drain Options Available for CAH-NTR & KWS Equipment

1 CAH-ED(NPT or BSP)-ASSY

Heavy duty external drain that can be easily attached to the CAH-BHF050F Bulkhead Fitting (shown) and housing.

2 SDV115V-25AN and SDV220V-50AN

Solenoid operated electronic drain valves come COMPLETE WITH STRAINER AND BALL VALVE that can be easily attached to the CAH-BHF050F Bulkhead Fitting (shown) and housing.

3 SDV-ZERO (Zero-Loss Electronic Drains)

¼" ID and ½" OD DUAL THREADS USED CN SDV ELECTRONIC DRAINS

View our Drain Valve Options >

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Water Separators

KELTEC-Technolab water separators have been designed for the removal of bulk liquid water from compressed air and gases. Unique centrifugal action removes contaminants at low-pressure drop for maximum energy savings. KELTEC-Technolab water separators are available from 1/4" - 3" pipe sizes and for flows up to 1294 scfm.

Note: While highly efficient, condensate separators will not remove 100% of the oil from the air stream additional coalescing and particulate filters downstream are typically required to remove the fine traces of oil, water and particles.

Note: Automatic drain valves are fitted as standard. All separator bodies are coated with electrostatic powder paint finish both inside and out.

CORECTION FACTOR									
PSIG	15	44	73	100	131	160	189	218	247
Operating Pressure (barg)	1	3	5	7	9	11	13	15	16
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.44	1.57

For maximum flow rate, multiply model flow rate shown in the above table by the correction factor corresponding to the working pressure.

TECHNICAL SPECIFICATIONS							
MODEL	Connection Size	FLOW RATE		HOUSING DIMENSIONS			
		(scfm)	(M^3/h)	A	B	C	D
KWS14	1/4"	14	25	4.06	10.14	9.29	6.3
KWS58	1/2"	58	100	4.06	10.14	9.29	8.27
KWS117	3/4"	117	200	4.84	11.97	10.91	11.22
KWS176	1"	176	300	4.84	11.97	10.91	14.96
KWS353	1-1/2"	353	600	4.84	12.6	11.22	18.5
KWS706	2"	706	1200	6.3	19.06	17.44	22.05
KWS1294	3"	1294	2200	7.6	21.5	19.29	24.02

Maximum Recommended Operating Temperature	176° F
Minimum Recommended Operating Temperature	35° F
Typical Pressure Loss at Rated Flow	.7 psi
Maximum Working Pressure	235 psi