



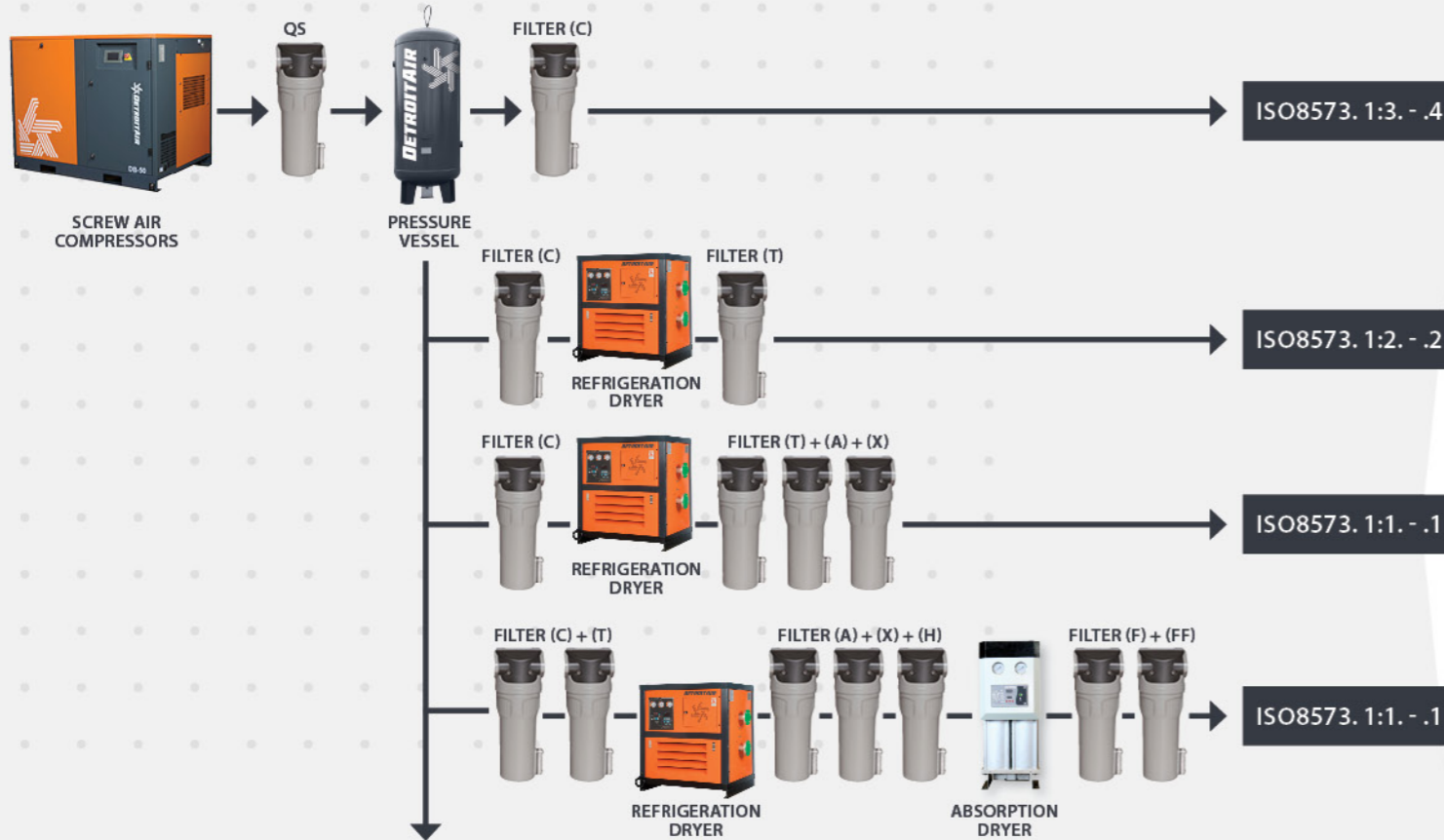
DETROITAIR

COMPRESSED AIR INNOVATION THROUGH TECHNOLOGY

PRODUCT CATALOGUE
FILTRATION

CONNECTION DIAGRAM

MEET THE REQUIREMENTS OF ALL INDUSTRIES



GENERAL FEATURES

- Die-cast aluminium shell features anti-corrosion treatment internally and externally. The easy-lock system prevents the bottom section of the filter from being overtightened or from ceasing in the top section, reducing service time and effort.
- Replacement cartridges use a bayonet clip-in design to simplify cartridge replacement. Each FN series filter is leak tested during production to ensure perfect performance and no energy loss through minor leaks.
- ISO8573-1:2010 (E) standards are met for all cartridge and shell testing.
- Filters feature optional differential pressure gauges, as well as a viewing glass to inspect for water build-up within the filter. These features are only available on 1100KPa variants.
- All filter series come standard with a high-quality ball valve.

- ✦ FN PRECISION FILTER
- ✦ FN SERIES FLANGE PRECISION FILTER
- ✦ QS SERIES HIGH EFFICIENCY CYCLONIC AIR-WATER SEPARATOR



EFFICIENT REMOVAL OF POLLUTANTS IN COMPRESSED AIR

FN series super-clean precision filters for compressed air.

FN series ultra-clean precision filters provide users with high-quality compressed air filtration, which is specially used in laser cutting, bottle blowing, advanced spraying, food, electronics, petrochemical and other industries. By installing FN series ultra-clean precision filters, compressor air pollutants (such as oil, water, dust, etc.) can be effectively removed.

MODEL	FN-01.2	FN-02.3	FN-03.5	FN-05.7	FN-07.8	FN-11.6	FN-15.5	
FLOW	M ³ / M	1.2	2.3	3.5	5.7	7.8	11.6	15.5
INTERFACE	C	3/4" 1"	3/4" 1"	1-1/2"	1-1/2"	1-1/2"	2"	2"
TYPE OF FILTER ELEMENT		FE-01.2*	FE-02.3*	FE-03.5*	FE-05.7*	FE-07.8*	FE-11.6*	FE-15.5*
DIMENSIONS MM	W	95	95	125	125	125	175	175
	H	240	280	302	421	421	550	550

LEVEL C FILTRATION ACCURACY: 3 MICRONS, OIL CONTENT: 3 PPM

LEVEL T FILTRATION ACCURACY: 1 MICRON, OIL CONTENT: 1 PPM

LEVEL A FILTRATION ACCURACY: 0.01 MICRON, OIL CONTENT: 0.01 PPM

LEVEL X FILTRATION ACCURACY: 0.01 MICRON, OIL CONTENT: 0.003 PPM

LEVEL H (Activated Carbon) FILTRATION ACCURACY: 0.01 MICRON, OIL CONTENT: 0.001 PPM

LEVEL F HIGH EFFICIENCY DUST REMOVAL, ACCURACY 0.1 MICRON

LEVEL FF SUPER EFFICIENT DUST REMOVAL, ACCURACY 0.01 MICRON



FN SERIES FLANGE PRECISION FILTER

Reliable Machinery from the Experts.



HIGH VOLUME PRECISION FILTRATION

Engineered to provide: high filtration capacity, corrosion resistance, good temperature resistance, simple maintenance, long service life and no fiber shedding.

Various multi-layer filtration materials are used to filter impurities from compressed air, including: borosilicate layer, glass fiber layer, activated carbon layer, multiple non-woven layers and a stainless steel mesh layer. Through multi-layer filtration, contaminant-free high-quality compressed air is produced.

MODEL	FN-18	FN-22	FN-36	FN-45	FN-55	FN-66	FN-90	FN-110	FN-135	FN-155	FN-180	FN-200	FN-225	FN-255	FN-310	
FLOW	M ³ /M	18	22	36	45	55	66	90	110	135	155	180	200	225	255	310
INTERFACE		DN65	DN80	DN100		DN125		DN150		DN200		DN250				
TYPE OF FILTER ELEMENT		E*-44	E*-48	510440*	510480*	510440*										510480*
NUMBER OF FILTER ELEMENTS		1		2		3		4	5	6	7	8	9	10	12	14
DIMENSIONS MM	W	353	353	465	465	500	500	565	617	726	726	780	800	800	860	860
	H	950	1110	1120	1270	1166	1285	1400	1430	1540	1540	1580	1580	1585	1570	1590
BARREL DIAMETER		133	133	240	240	273	273	325	377	426	426	450	500	500	560	650

QS SERIES HIGH-EFFICIENCY CYCLONE AIR-WATER SEPARATOR

Reliable Machinery from the Experts.



HIGH EFFICIENCY CYCLONIC AIR-WATER SEPARATOR

An air-water separator installed in front of the compressed air filtration and drying equipment can remove 99% of the liquid water making downstream purification equipment more efficient. The unique two-stage cyclonic separation design makes it more effective than a traditional air-water separator. The optional installation position of the air-water separator is in the air compressor, in front of the after-cooler, or after the compressed air storage tank.

MODEL	QS01	QS02	QS03	QS05	QS10	QS18	QS36	QS55	QS90	QS110	QS155	QS200	QS300
FLOW	0.6~1.5	2~3	3~4	5~8	10~15	18~25	30~45	50~70	75~100	100~140	150~180	200~250	300~350
INTERFACE	3/4" 1"		1/2" 1" 1-1/2"		2"	DN65	DN100	DN125	DN150	DN200	DN250		
BARREL DIAMETER	82	82	107	107	147	159	240	273	325	377	426	500	550





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