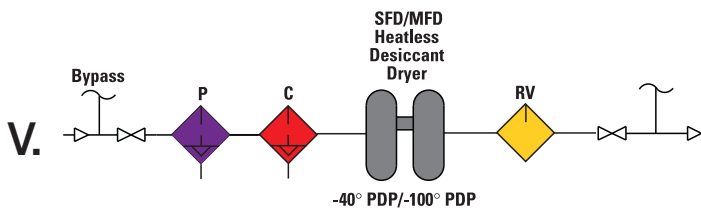
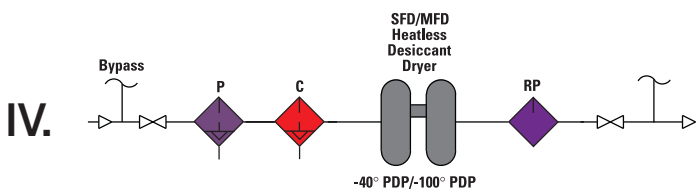
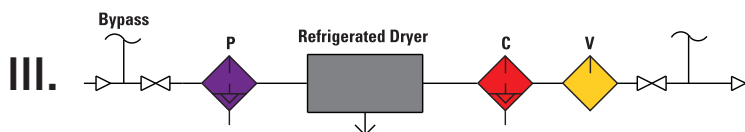
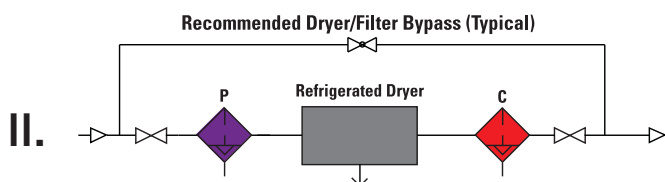
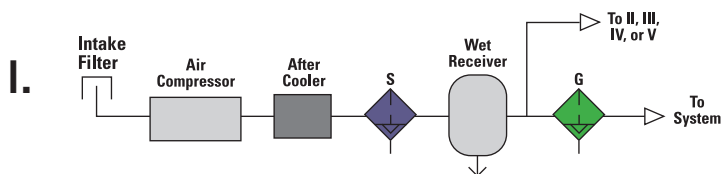


Typical Compressed Air Treatment Systems



Filter Grade Selection

G General Purpose, Coalescing and Bulk Contaminant Removal; point-of-use.

P Prefiltration to refrigerated dryer; higher efficiency, coalescing point-of-use.

RP Reverse Flow P Afterfilter to heatless desiccant dryer.

C High efficiency coalescing oil removal after refrigerated dryer; upstream of desiccant dryers.

V Oil vapors/odor/taste removal downstream of C filter.

RV Reverse Flow V Combination particulate/ vapor removal for desiccant dryer afterfilter.

WS Liquid Separator, mechanical separation of large quantities of free liquid and solid contaminations downstream of after coolers and air receivers.

Correction Factors

For maximum flow rate, multiply model flow rate shown in the top chart by the correction factor corresponding to the working pressure. See specifications for maximum pressure.

Operating Pressure (psig)	10	20	30	40	50	60	70	80	90	100	110	125	150	175	200	225	250	275	300
Correction Factor	0.32	0.45	.055	0.64	0.71	0.78	0.84	0.90	0.95	1.00	1.05	1.12	1.22	1.32	1.41	1.49	1.57	1.65	1.72

Note: To reduce pressure drop by 50%, reduce flow rate by 30%.

ISO 8573.1 System Ratings

ISO 8573.1		
System	Quality Class Rating	Applications
1.	3.7.4	Air Tools, Air Motors
2.	1.4.1	Automated Equipment, Robotics, Rough Paintings
3.	1.4.1	Injection Molding, Electronics
4.	1.2.1 or 1.1.1	Semi-Conductors, Instrumentation
5.	1.2.1 or 1.1.1	Food Processing, Hospital Grade, Breathing Air

WARNING: Advant-Air Breathable Air systems are designed to offer the user protection in potentially harmful environments, as such it is imperative that these products are correctly installed and properly controlled by a competent person. Proper control means the equipment installed should be fully checked prior to every use. Should any fault be discovered it must be repaired or the failed component replaced to guarantee full working order before use. Advant-Air Breathable Air systems are not designed to remove CO, CO², NO^x and SO². If in doubt do not use the system until it has been confirmed to be fit for purpose by the Advant-Air technical department.

ISO 8573.1 Quality Class

Quality Class	Solid Contaminants (max. particle size in microns)	Max. Pressure Dew Point °F	Max. Oil Content (droplets, aerosols & vapor) ppm
1	0.1	-94	0.01
2	1	-40	0.1
3	5	-4	1
4	15	37.4	5
5	40	44.6	25
6	—	50	—
7	—	not specified	—

Ask your Advant-Air distributor about applying condensate management systems, dry air storage and flow controllers.

Specifications

G

P

C

V

WS

General Purpose Point-of-Use

Prefiltration/ Coalescing

High Efficiency

Activated Charcoal

Liquid Separator

Particle removal	micron	5	1	0.01	0.01	—
Maximum carryover at 68°F	ppm	5	0.1	0.01	0.003	—
Recommended temperature	°F	100	100	100	77	100
Maximum temperature	°F	250	250	250	250	250
Pressure drop - clean and dry	psid	0.5	1.0	1.5	1	< 0.5
Pressure drop - oil saturated	psid	1.0	2.0	3.0	(see note)	< 0.5
Pressure drop - change element	psid	6.0	6.0	6.0	(see note)	—
Element media		borosilicate microfiber multi-wrap			carbon impregnated paper	
Housing material		high quality aluminum/ASME high carbon steel				
Maximum working pressure	psig	300 (230 with internal float drain) /ASME code vessels 235				

Note: Activated charcoal filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide and carbon dioxide. Change interval depends on application. Please contact your Advant-Air distributor. Also see WARNING NOTE above for Breathable Air systems.

Alternative Elements: Advant-Air offers alternative elements of equal or better quality for: Kaeser • Atlas Copco • Gardner-Denver • Ingersoll Rand • many others



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