

ANAND INDUSTRIES



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INDIA

SERIES AFR-SS AIR FILTER REGULATOR



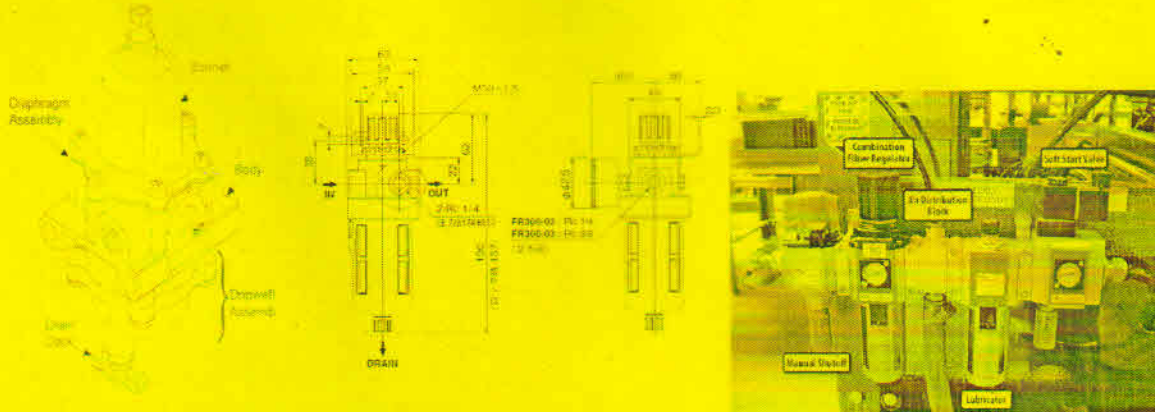
Applications

ANAND AFR-SS Air Filters Cum Pressure Regulators of SS 316 Body and Bowl are characterized by the flow capabilities, the micron size of the filter media and the media type; screen, sintered plastic or metal or other material. Filters will accumulate debris and must be cleaned and the media replaced on a regular basis. The service life of the media is generally based on more psig pressure drop across the device. When you turn the Adjustment Screw to a specific set point, the spring exerts a downward force against the top of the Diaphragm. This downward force opens the Supply Valve. Output pressure flows through the Outlet Port and the passage to the Control Chamber where it creates an upward force on the bottom of the Diaphragm Assembly. When the set point is reached, the force of the spring that acts on the top of the Diaphragm Assembly balances with the force of output pressure that acts on the bottom of the Diaphragm Assembly and closes the Supply Valve. When the output pressure increases above the set point, the Diaphragm Assembly moves upward to close the Supply Valve and open the Exhaust Valve. Output pressure flows through the Exhaust Valve and out of the Exhaust Vent on the side of the unit until it reaches the setpoint.

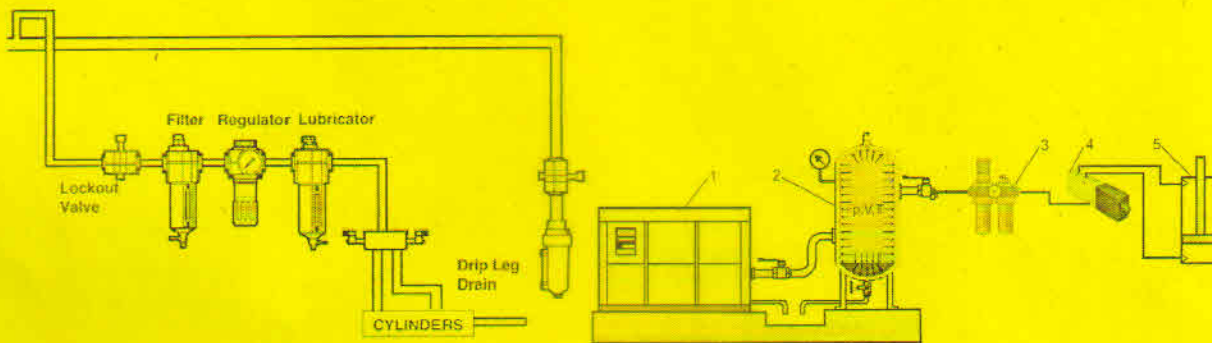
REGULATOR



SCHEMATIC



TYPICAL INSTALLATION (OVERVIEW)



SPECIFICATIONS

TYPE	SERIES AFR-SS Air Filter Cum Pressure Regulator
FLUID	Compressed Air
FILTER	Sintered Bronze / PP of 5 Micron (As per client requirement)
DRAIN VALVE	Manual (SS Finished Hand Operated Plugged / Cock / Push drain) (As per client requirement)
OUTPUT PRESSURE GAUGE	Provided 50 MM Pressure Gauge with range as per order SS with brass internals centre back entry 1/8" / 1/4" NPT M of OEM ANAND Make
MOUNTING ACCESSORIES	Provided with direct frontal mounting accessories of SS finish
INLET CONNETION	1/4", 1/2", 3/4", 1" NPT F (As per client requirement)
MAXIMUM INLET PRESSURE	10 Kg/Cm ²
OUTLET PRESSURE	0-2,1,2.5,4.0,4.2,6,7,10 Kg/Cm ² +/- 0.5 Kg/Cm ² Adjustable (As per client requirement)
EFFECT OF SUPPLY VARIATION ON O/P	Better than +/- 10% for O/P Change on 1 BAR I/P change
MINIMUM FLOW RATE	300 LPM
TEMPERATURE	5 to 60 Deg C

OUTLET PRESSURE ADJUSTMENT	Through Knob/T Handle / Hand wheel / Square Head screw / Pull-Turn & Push with Lock Nut (As per client requirement)
LIQUID LEVEL INDICATOR	Provided
MOC OF BODY AND BOWL	SS 316
DIAPHRAGM	Reinforced Neoprene / NBR / Nitrile (As per client requirement)
INNER VALVE ASSEMBLY AND MAIN SPRING	SS 316
OPTIONAL ACCESSORIES	NPT Double Ferrule Connector of SS 316 (As per client requirement)
MODEL NO	AFR-SS-14-12-11-OPDC (Illustrative Only, including all options) AFR : Air Filter Regulator 14 : Inlet Size of 1/4" 12 : Inlet Size of 1/2" 13 : Inlet Size of 3/4" 11 : Inlet Size of 1" OPDC : Optional Double Ferrule Connector of SS 316 for the respective size as per client requirement)

FLOW CURVE

