



### Modular Assemblies




Series	Combination component	Port size	Set pressure (MPa)	Page No.
<b>AC</b> 	Modular F.R.L. combination: AC			
	Air filter, Regulator, Lubricator <b>(AF + AR + AL)</b>	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85 (Note)	1131
	Filter regulator, Lubricator <b>(AW + AL)</b>	M5, 1/8, 1/4, 3/8, 1/2, 3/4	0.05 to 0.85 (Note)	
	Air Filter, Regulator <b>(AF + AR)</b>	1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85 (Note)	
	Air filter, Mist separator, Regulator <b>(AF + AFM + AR)</b>	1/8, 1/4, 3/8, 1/2, 3/4	0.05 to 0.85	
Filter regulator, Mist separator <b>(AW + AFM)</b>	1/8, 1/4, 3/8, 1/2, 3/4	0.05 to 0.85		

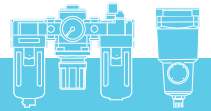
Note) Set pressure for M5 type is 0.05 to 0.7 MPa.










### Modular Assemblies with Built-in Gauge

Series	Combination component	Port size	Set pressure (MPa)	Page No.
<b>ACG</b> 	Modular F.R.L. combination: AC			
	Air filter, Regulator, Lubricator <b>(AF + AR + AL)</b>	1/8, 1/4, 3/8, 1/2	0.05 to 0.85	1137
	Filter regulator, Lubricator <b>(AW + AL)</b>	1/8, 1/4, 3/8, 1/2	0.05 to 0.85	
	Air Filter, Regulator <b>(AF + AR)</b>	1/8, 1/4, 3/8, 1/2	0.05 to 0.85	
	Air filter, Mist separator, Regulator <b>(AF + AFM + AR)</b>	1/8, 1/4, 3/8, 1/2	0.05 to 0.85	
Filter regulator, Mist separator <b>(AW + AFM)</b>	1/8, 1/4, 3/8, 1/2	0.05 to 0.85		

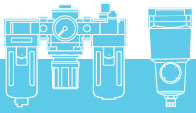
### Modular Range

Series	Port size	Set pressure	Bowl capacity	Filtration	Page No.
<b>AF10 to 60</b> 	Air filter: AF				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	-	-	5 μm	1146
<b>AFM20 to 40</b> 	Mist separator: AFM				
	1/8, 1/4, 3/8, 1/2, 3/4	-	-	0.3 μm	1148
<b>AFD20 to 40</b> 	Mist separator: AFD				
	1/8, 1/4, 3/8, 1/2, 3/4	-	-	0.01 μm	1150










**Modular Range**

Series	Port size	Set pressure	Bowl capacity	Filtration	Page No.
<b>AR10 to 60</b> 	Regulator: AR				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85 MPa	-	-	1152
<b>ARG20 to 40</b> 	Regulator with built-in pressure gauge: ARG				
	1/8, 1/4, 3/8, 1/2	0.05 to 0.85 MPa	-	-	1154
<b>AR20K to 60K</b> 	Regulator with back flow mechanism: AR□K				
	1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85 MPa	-	-	1156
<b>AL10 to 60</b> 	Lubricator: AL				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	-	70 to 135 cm <sup>3</sup>	-	1158
<b>AW10 to 60</b> 	Filter regulator: AW				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	-0.05 to 0.85 MPa	-	5 μm	1160
<b>AWG20 to 40</b> 	Filter regulator with built-in gauge: AW				
	1/8, 1/4, 3/8, 1/2	-0.05 to 0.85 MPa	-	5 μm	1162
<b>AW20K to 40K</b> 	Filter regulator with back flow function: AW□K				
	1/8, 1/4, 3/8, 1/2, 3/4	0.05 to 0.85 MPa	-	5 μm	See Best Pneumatics catalogue
<b>AWM</b> 	Mist separator regulator: AWM				
	1/8, 1/4, 3/8, 1/2	0.05 to 0.85 MPa	-	0.3 μm	1164
<b>AWD</b> 	Micro mist separator regulator: AWD				
	1/8, 1/4, 3/8, 1/2	0.05 to 0.85 MPa	-	0.01 μm	1167




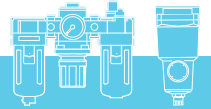


### Modular Accessories

	Port size	Function	Page No.
 Piping adapter	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	Allows installation/removal of the component without removing the piping.	1170
 T-interface	M5, 1/8, 1/4, 3/8, 1/2	Redirects the air flow.	1170
 Pressure switch with piping adapter	1/8, 1/4, 3/8, 1/2, 3/4	Compact switch and piping adapter integrated into one piece.	1171
 Check valve	1/8, 1/4, 3/8	Prevents back flow from lubricator.	1172
 Pressure switch	—	Compact switch	1173
 Cross interface	M5, 1/8, 1/4, 3/8, 1/2	Allows piping in all 4 directions.	1173
 Residual pressure relief 3 port valve	1/8, 1/4, 3/8, 1/2, 3/4, 1	Releases residual pressure in lines.	1174
 Spacers and brackets	—	Brackets for modular assemblies	1175

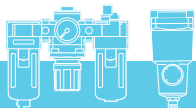
### Soft Start-up Valve

Series	Port size	Set pressure	Notes	Page No.
<b>AV</b> 	Soft start-up valve: AV2000 to 5000			
	1/4, 3/8, 1/2, 3/4, 1	0.1 to 1 MPa	A start-up valve that gradually increases downstream pressure after energisation and rapidly exhaust air when de-energised.	1176






**Pressure Control Equipment**

Series	Port size	Set pressure	Notes	Page No.
<b>ARJ</b> 	Miniature regulator: ARJ1020F, ARJ210, ARJ310			
	M5, 1/8 ø4, ø6	0.1 to 0.7 MPa	One Touch tube connection. Panel mountable.	1179
<b>AR</b> 	Pilot operated regulator: AR425 to 925, ar435 to 935			
	1/4, 3/8, 1/2, 3/4, 1 1/4, 1 1/2, 2	0.02 to 0.83 MPa		1184
<b>ARM</b> 	Compact manifold regulator: ARM10/11			
	ø4, ø6, ø10, 1/4, 3/8	0.05 to 0.7 MPa		1186
<b>ARM</b> 	Manifold regulator: ARM1000/200/2500/3000			
	1/8, 1/4, 3/8,	0.05 to 0.85 MPa		See Best Pneumatics catalogue
<b>ARP</b> 	Direct operated precision regulator: ARP3000			
	1/4	0.005 to 0.3 MPa	Sensitivity 0.001 MPa. direct-driven, bleed type (with relieving function)	1195
<b>ARX20</b> 	Regulator for 2 MPa: ARX20			
	1/8, 1/4	0.05 to 0.85 MPa	Compliant for inlet supply pressure of 2 MPa. Best suited for adjusting pressure discharged from small compressors.	1197
<b>IR</b> 	Precision regulator: IR1000/2000/3000			
	1/8, 1/4, 3/8, 1/2	0.005 to 0.8 MPa	Tension controller Contact pressure control Sensitivity: 0.2% F.S. Max. Repeatability: ±0.5% F.S. Max.	1199
<b>IRV</b> 	Vacuum regulator: IRV1000/2000/3000			
	1/8, 1/4, 3/8, 1/2	-100 to -1.3 kPa	Able to adjust the vacuum pressure for vacuum line.	1201









### Pressure Control Equipment

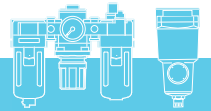
Series	Port size	Set pressure	Notes	Page No.
<b>ITV0000</b> 	Compact electro-pneumatic regulator: ITV0000			1203
	ø4	0.001 to 0.1 MPa 0.001 to 0.5 MPa 0.001 to 0.9 MPa -1 to -100 kPa	Stepless control of air pressure proportional to an electrical signal.	
<b>ITV1/2/3000</b> 	Electro-pneumatic regulator: ITV1000/2000/3000			1208
	1/8, 1/4, 3/8, 1/2	0.001 to 0.1 MPa 0.001 to 0.5 MPa 0.001 to 0.9 MPa	Stepless control of air pressure proportional to an electrical signal.	
<b>ITV2090/2091</b> 	Electronic vacuum regulator: ITV2090/2091			1215
	1/4	-1.3 to -80 MPa	Pressure controlled by electrical signals.	
<b>VBA + tank</b> 	Booster regulator: VBA + reservoir tank UKT138			1217
	1/8, 1/4, 3/8, 1/2	0.05 to 0.85 MPa		

### Pressure Gauges



Series	Port size	Page No.
<b>G□</b> 	Pressure gauge: G□	
	1/16, 1/8, 1/4	1220

### Lubrication Equipment


Series	Port size	Bowl capacity	Notes	Page No.
<b>AL</b> 	Large flow lubricator: AL800/900			1227
	1 1/4, 1 1/2, 2	440, 1000 cm <sup>3</sup>	Individual lubrication.	
<b>ALD/ALDU</b> 	Jet lube: ALD600/900, ALDU600/900			See Best Pneumatics catalogue
	3/4, 1, 1 1/4, 1 1/2, 2	2000, 5000 cm <sup>3</sup>	Centralized multipoint lubrication.	
<b>ALB</b> 	Booster lube: ALB900			See Best Pneumatics catalogue
	1, 2, 3 inch flange	5000 cm <sup>3</sup>	Centralized multipoint lubrication unit with non-differential pressure type.	



## Air Dryers

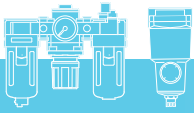
Series	Specifications	Notes	Page No.
<b>IDFA</b> 	Refrigerated Air Dryer: IDFA		
	Inlet air pressure: 1.5 to 16 bar Inlet air temperature: 5 to 50°C	High efficiency heat exchanger. Ozone friendly refrigerants. Conforms to stringent ISO8573-1 standards.	1229
<b>IDG</b> 	Membrane Air Dryer: IDG		
	Outlet air flow rate (l/min (ANR)): 25 to 1000 Inlet air flow rate (l/min (ANR)): 62 to 1400	Macro molecular membrane dryers that act like filters.	1232

## Large Flow Air filter


Series	Port size	Filtration	Notes	Page No.
<b>AF800/900</b> 	Large flow air filter: AF800/900			
	1 1/4, 1 1/2, 2	Standard 5 µm filter element	Auto or manual drain	1236

## Oil Mist Separators


Series	Filtration	Rated flow (l/min (ANR))	Port size	Page No.
<b>AFF</b> 	Main Line Filter: AFF			
	3 µm (95% particle size collection)	300 to 42000	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 2	1238
<b>AM</b> 	Mist Separator: AM			
	0.3 µm (95% particle size collection)	300 to 12000	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 2	1241
<b>AMD</b> 	Micro mist separator: AMD			
	0.01 µm (95% particle size collection)	200 to 12000	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 2	1244
<b>AMH</b> 	Micro mist separator with prefilter: AMH			
	0.01 µm (95% particle size collection)	200 to 12000	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 2	1247
<b>AME</b> 	Super mist separator: AME			
	0.01 µm (95% particle size collection)	200 to 12000	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 2	1250







### Water Separator

Series	Port size	Max. flow capacity (l/min (ANR))	Notes	Page No.
<b>AMG</b> 	Water separator: AMG			1253
	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 2	300 to 12000	It eliminates the water droplets in the compressed air.	

### Odour Removal Filter

Series	Filtration	Rated flow (l/min (ANR))	Port size	Page No.
<b>AMF</b> 	Odour removal filter: AMF			1256
	0.01 µm (95% particle size collection)	200 to 12000	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 2	

### Related Products

Series	Port size	Notes	Page No.
<b>AD</b> 	Auto drain valve: AD402/600		1259
	1/4, 3/8, 1/2, 3/4, 1	Drainage is automatically discharged in a reliable manner, without requiring human operators. Highly resistant to dust and corrosion.	
<b>AMJ</b> 	Drain separator for vacuum: AMJ		1542
	1/4, 3/8, 1/2, 3/4, 1	Remove water droplets from air by simply installing in vacuum equipment connection line. Effective for removing water droplets from the air sucked into vacuum pumps and ejectors, etc.	
<b>ADH</b> 	Heavy duty auto drain: ADH4000		1260
	1/2	Easy maintenance. Float style drain allows automatic drain discharge without electric power.	
<b>GD40</b> 	Pressure differential gauge: GD40-2-01		1226
	1/8	The pressure differential at the inlet and the outlet of compressed air equipment can be viewed at a glance on the pressure differential gauge. It is ideal for the maintenance control of filters.	