



Modular Assemblies




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

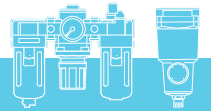
Note) Set pressure for M5 type is 0.05 to 0.7 MPa.










Modular Assemblies with Built-in Gauge

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

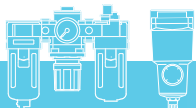
Modular Range

Series	Port size	Set pressure	Bowl capacity	Filtration	Page No.
AF10 to 60 	Air filter: AF				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	-	-	5 μm	1146
AFM20 to 40 	Mist separator: AFM				
	1/8, 1/4, 3/8, 1/2, 3/4	-	-	0.3 μm	1148
AFD20 to 40 	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.
AR10 to 60 	Regulator: AR				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	0.05 to 0.85 MPa	-	-	1152
ARG20 to 40 	Regulator with built-in pressure gauge: ARG				
	1/8, 1/4, 3/8, 1/2	0.05 to 0.85 MPa	-	-	1154
AR20K to 60K 	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
AL10 to 60 	Lubricator: AL				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	-	70 to 135 cm ³	-	1158
AW10 to 60 	Filter regulator: AW				
	M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1	-0.05 to 0.85 MPa	-	5 μm	1160
AWG20 to 40 	Filter regulator with built-in gauge: AW				
	1/8, 1/4, 3/8, 1/2	-0.05 to 0.85 MPa	-	5 μm	1162
AW20K to 40K 	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
AWM 	Mist separator regulator: AWM				
	1/8, 1/4, 3/8, 1/2	0.05 to 0.85 MPa	-	0.3 μm	1164
AWD 	Micro mist separator regulator: AWD				
	1/8, 1/4, 3/8, 1/2	0.05 to 0.85 MPa	-	0.01 μm	1167




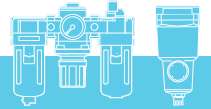


Modular Accessories









	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

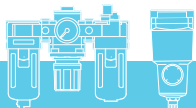
Series	Port size	Set pressure	Notes	Page No.
AV 	Soft start-up valve: AV2000 to 5000			
	1/4, 3/8, 1/2, 3/4, 1	0.1 to 1 MPa	A start-up valve that gradually increases downstream pressure after energisation and rapidly exhaust air when de-energised.	1176







Pressure Control Equipment

Series	Port size	Set pressure	Notes	Page No.
ARJ 	Miniature regulator: ARJ1020F, ARJ210, ARJ310			
	M5, 1/8 ø4, ø6	0.1 to 0.7 MPa	One Touch tube connection. Panel mountable.	1179
AR 	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
ARM 	Compact manifold regulator: ARM10/11			
	ø4, ø6, ø10, 1/4, 3/8	0.05 to 0.7 MPa		1186
ARM 	Manifold regulator: ARM1000/200/2500/3000			
	1/8, 1/4, 3/8,	0.05 to 0.85 MPa		See Best Pneumatics catalogue
ARP 	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
ARX20 	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
IR 	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
IRV 	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

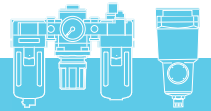
Series	Port size	Set pressure	Notes	Page No.
ITV0000 	Compact electro-pneumatic regulator: ITV0000			1203
	ø4	0.001 to 0.1 MPa 0.001 to 0.5 MPa 0.001 to 0.9 MPa -1 to -100 kPa	Stepless control of air pressure proportional to an electrical signal.	
ITV1/2/3000 	Electro-pneumatic regulator: ITV1000/2000/3000			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.	
ITV2090/2091 	Electronic vacuum regulator: ITV2090/2091			1215
	1/4	-1.3 to -80 MPa	Pressure controlled by electrical signals.	
VBA + tank 	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.
G□ 	Pressure gauge: G□	
	1/16, 1/8, 1/4	1220

Lubrication Equipment


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



Air Dryers

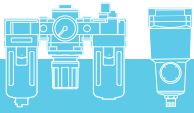
Series	Specifications	Notes	Page No.
IDFA 	Refrigerated Air Dryer: IDFA		
	Inlet air pressure: 1.5 to 16 bar Inlet air temperature: 5 to 50°C	High efficiency heat exchanger. Ozone friendly refrigerants. Conforms to stringent ISO8573-1 standards.	1229
IDG 	Membrane Air Dryer: IDG		
	Outlet air flow rate (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.
AF800/900 	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.
AFF 	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
AM 	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
AMD 	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
AMH 	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
AME 	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.
AMG 	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.
AMF 	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.
AD 	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.	
AMJ 	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.	
ADH 	Heavy duty auto drain: ADH4000		1260
	1/2	Easy maintenance. Float style drain allows automatic drain discharge without electric power.	
GD40 	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.	