



PNEUMATIC

Air source processing element:

AIRPRIME air source treatment unit has variety of specifications, including F.R.L combination, F.R.L combination, air filter, air regulator, lubricator of the port size from G1/8" to G1". The function is mainly on purifying the compressed air, setting pressure and adding lubrication. We are integrating designs, manufactures, develops and distributes technologically advanced. It adopts legentry structure, reasonable, good-looking shape, which can be easily assembled and disassembled and can meet the needs of all kind of pneumatic systems. We also have our own mould workshop, which is supportive to design special kinds of air source treatment unit for all over the world.



F.R.L.COMBINATION



SPECIFICATION

Model	PAC(F.R.L)	PAC(FR.L)	PAF	PAR	PAW	PAL
Working Medium	Air					
Joint pipe bore	M5 G1/8" G1/4" G3/8" G1/2" G3/4" G1"					
Range of adjustable pressure	0.05-0.85MPa		—	0.05-0.85MPa		
Ensured Pressure Resistance	1.5Mpa					
Operating Temperature Range	5-60°C					



SPECIFICATION

Model	NAC(F.R.L)	NAC(FR.L)	NAF	NAR	NAW	NAL
Working Medium	Air					
Joint pipe bore	M5 G1/8" G1/4" G3/8" G1/2" G3/4" G1"					
Range of adjustable pressure	0.05-0.85MPa		—		0.05-0.85MPa	
Ensured Pressure Resistance	1.5Mpa					
Operating Temperature Range	5-60°C					

Model	NMAC(F.R.L)	NMAC(F.R.L)	NMAF	NMAR	NMAW	NMAL
Working Medium	Air					
Joint pipe bore	M5 G1/8" G1/4" G3/8" G1/2" G3/4" G1"					
Range of adjustable pressure	0.05-0.85MPa		—	0.05-0.85MPa		
Ensured Pressure Resistance	1.5Mpa					
Operating Temperature Range	5-60°C					



SPECIFICATION

Model	AC,BC	AFC,BFC	AF,BF	AR,BR	AFR,BFR	AL,BL
Working Medium	Air					
Joint pipe bore	G1/8" G1/4" G3/8" G1/2"					
Range of adjustable pressure	0.05-0.85Mpa		—	0.05-0.85Mpa		—
Ensured Pressure Resistance	1.5Mpa					
Operating Temperature Range	5-60°C					



SPECIFICATION

Model	SFC	SL	SFR	NAR	B07	P1H/PTH
Motion Pattern	Double Action&Single Action					
Working Medium	Air					
Joint pipe bore	1/4" 3/8" 1/2"			1/8" 1/4"		
Range of adjustable pressure	0 ~ 0.99 MPa			0 ~ 10 Bar		
Ensured Pressure Resistance	1.5 Mpa			—		
Operating Temperature Range	5 ~ 60℃			-20 ~ 50℃		



SPECIFICATION

Model	MAF300	MAR300	MAL300	MAFR300	MACP300	MACT300
Working Medium	Air					
Joint pipe bore	G1/4" G3/8" G1/2"					
Range of adjustable pressure	0.05~0.85Mpa		—		0.05~0.85Mpa —	
Ensured Pressure Resistance	1.5Mpa					
Operating Temperature Range	5~60°C					

Air Source Treatment Unit Accessories



SOLENOID VALVE

3V,4V Series Solenoid Valve, Plate Type Valve



Model	4V100(B) 3V100	4V200(B) 3V200	4V300(B) 3V300	4V400(B) 3V400
Position and Way No	3 Port 2 position or 5 Port 2 position or 5 Port 3 position			
Joint Pipe Bore	M5X0.8 1/8"	1/8" 1/4"	1/4" 3/8"	3/8" 1/2"
Working Medium	40 Micron Filtered Air			
Motion Pressure	Inner Guide Type			
Working-Pressure	0.15 ~ 0.8 Mpa			
Max. Pressure Resistance	1.2 Mpa			
Operating Temperature	5 ~ 50°C			
Voltage range	± 10%			
Wiring Form	Lead Wire or Connector Type			
Highest Action Frequency	5 Cycle/Sec			
Shortest Excitation Time	0.05 Second			
Standard Voltage	DC12V/DC24V/AC24V/AC110V/AC220V/AC380V			

3A,4A Series Pneumatic Control Valve



Model	4A100 3A100	4A200 3A200	4A300 3A300	4A400 3A400
Position And Way Number	3 Port 2 position or 5 Port 2 position or 5 Port 3 position			
Joint Pipe Bore	M5X0.8 1/8"	1/8" 1/4"	1/4" 3/8"	3/8" 1/2"
Working Medium	40 Micron Filtered Air			
Motion Pressure	Inner Guide Type			
Working-Pressure	0.15 ~ 0.8 Mpa			
Max. Pressure Resistance	1.2 Mpa			
Operating Temperature	5 ~ 50°C			
Voltage range	± 10%			
Wiring Form	Lead Wire or Connector Type			
Highest Action Frequency	5 Cycle/Sec			
Shortest Excitation Time	0.05 Second			

Machine-Control Valve, Hand-Control Valve



SPECIFICATION

Model	MSV	JMJ	JM	MOV	4R(3R)	HV	K34R8	HSV	4H
Working Medium	Air				Compresses air	40 Micron Filtered Air			
Position and Way No.	3 Port 2 position or 5 Port 2 position	3 Port 2 position	3 Port 2 position or 2 Port 2 position	2 Port 2 position	3 Port 2 position or 5 Port 2 position	—	4 Port 2 position or 4 Port 3 position	3 Port 2 position or 5 Port 2 position	5 Port 2 position or 5 Port 3 position
Joint Pipe Bore	G1/8" G1/4"	G1/4"	G1/4"	G1/8"	G1/8" G1/4" G3/8" G1/2"	G1/4" G3/8" G1/2"	G1/8" G1/4"	G1/8" G1/4" G3/8" G3/4" G1/2"	G1/8" G1/4" G3/8" G1/2"
Working-Pressure range	0-0.8MPa	0-1.0MPa	0-0.8MPa		0-1.0MPa	0-0.8MPa		0-1.0MPa	
Operating Temperature Range	0-60℃			0-70℃	-5-60℃	0-60℃			

Other Series Valves



SPECIFICATION

Model	4F	FV	4FM	RE	KLA	ASC	AS	KA	KAM	ST	OE	QEA	KKP
Working Medium	40Micron filtered Air			Air				Air			Compressed air		
Position and Way No	5 Port 2 position	4 Port 2 position or 3 Port 2 position			—				—			—	
Joint Pipe Bore	G1/4"	G1/4"	M5 G1/4" G1/8"	G1/8" G1/4" G3/8" G1/2"				G1/8" G1/4" G3/8" G1/2"	R501/8" G1/4" G3/8" G1/2"	G1/8" G1/4" G3/8" G1/2"	G1/8" G1/4" G3/8" G1/2"	G1/8" G1/4" G3/8" G1/2"	G1/8" G1/4" G3/8" G1/2"
Working-Pressure range	0.15-0.9MPa			0-0.8MPa	0.05-0.9MPa	0-0.9MPa	0.1-0.7MPa 0.05-1.0MPa	0.05-0.8MPa	0.05-1.2MPa	0-1.0MPa	0.12-1.2MPa	0.05-1.2MPa	0.05-1.2MPa
Operating Temperature Range	0-60℃			0-60℃	-5-60℃	0-60℃	5-60℃	0-55℃	-5-60℃	0-60℃	—	—	-5-60℃

VF, VZ Series Solenoid Valve



Model	VF3000	VF5000	VZ5000
Position and Way No	5 Port 2 position or 5 Port 3 position		
Working Medium	40 Micron Filtered Air		
Motion Pressure	Inner Guide Type		
Working-Pressure	0.15 - 0.8Mpa		
Max. Pressure Resistance	1.2 Mpa		
Operating Temperature	5 - 50℃		
Voltage range	± 10%		
Wiring Form	Lead Wire or Connector Type		
Highest Action Frequency	5Cycle/Sec		
Shortest Excitation Time	0.05 Second		
Standard Voltage	DC12V/DC24V/AC24V/AC110V/AC220V/AC380V		



SOLENOID VALVE

With ten-years development, AIRPRIME solenoid valve has made a great improvement. It is often used to controlling cylinders or larger industrial valves. We concentrate on the design, manufacture and marketing of solenoid valves in a broad range of types and sizes, including 4Vseries, 3V series, 2W series, 4F series foot valve, MJM series mechanical valve, HV hand valve, etc. AIRPRIME also has a professional team to research on the new type of solenoid valve in the potential market also the quality that we are specialized in.

Solenoid Valve Accessories





PNEUMATIC



2 Port 2 Position Series Solenoid Valve



SPECIFICATION

Model	2V	2P	2W	2L	VX	PU	2Q
Working Medium	Air, Water (Oil, Gas, Steam)						
Joint Pipe Bore	1/8" 1/4" 3/8" 1/2" 3/4" 1"	1/8" 1/4"	1/8" 1/4" 3/8" 1/2" 3/4" 1" 1 1/4" 1 1/2" 2"	3/8" 1/2" 3/4" 1" 1 1/4" 1 1/2" 2"	1/8" 1/4" 3/8" 1/2"	1/8" 1/4" 3/8" 1/2" 3/4" 1" 1 1/4" 1 1/2" 2"	1" 1 1/2" 2"
Motion Pressure	Direct drive type or Double type	Direct drive type			Quick type	Direct drive type	Direct drive type or Double type
Working-Pressure	0.05-0.7MPa	0.05-0.7MPa	0.05-0.7MPa 0.05-0.7MPa 0.1-0.2MPa	0.1-0.7MPa	0.1-0.7MPa	0.05-0.7MPa	0.05-0.7MPa
Operating temperature range	-5~+60°C	-5~+60°C	-5~+60°C	-5~+60°C	-5~+120°C -5~+80°C	-5~+60°C	-5~+100°C

Pulse Valve



DMF-Z-20

DMF-Y80S

Stainless Steel Bevel Valve



SPECIFICATION

Model	DMF-Z-25	DMF-Z-40	DMF-Z-50	DMF-Z-65	DMF-Z-75
Working-Pressure	0.4-0.6MPa				
Ambient Temperature	-10~55°C				
Relative Humidity	<80%				
Working Medium	Clean Air				
Voltage	AC220V/DC24V				
Diaphragm Life	1000000/Over One Million Cycles				
Orifice	φ25	φ40	φ50	φ65	φ75
Connection Port	1"	1-1/2"	2"	2-1/2"	3"
	170	200	225	254	

Model	2K200-15	2K200-20	2K200-25	2K200-32	2K200-40	2K200-50
Type	Normal Close Normal Open					
Joint Size	1/2" 3/4" 1-1/4" 1-1/2" 2"					
Flow Rate	13mm 18mm 24mm 31mm 35mm 45mm					
Pressure	0-1.6MPa					
Control Pressure Range	0.3-0.8MPa					
Temperature	-5~180°C					



PNEUMATIC CYLINDER

AIRPRIME Cylinder has started very early. It manufactures a wide range of standard series cylinders such as SC series, MAL/MA mini series, DNC standard series and so on. It has bore size from 6mm to 600mm. With nearly thirty-year experience and strong technology support, we also can design special specifications cylinders according to customer requirements.

DNC Series ISO6431 Standard Cylinder



DNC 50x100



DNC 40x250



DNCJ 40x50-50



SPECIFICATION

Bore (mm)	32	40	50	63	80	100	125
Motion Pattern	Double Action						
Working Medium	Filtered Air						
Compression	1.5Mpa						
Max.operating pressure	1.0Mpa						
Min. operating pressure	0.1Mpa						
Buffer	Air buffer(standard)						
Condition temperature	5-60°C						
Operating speed	50-500mm/s						
Margin of stroke error(mm)	0-250 ^{+1.0} ₀ 251-1000 ^{+1.5} ₀ 1001-1500 ^{+2.0} ₀						
Operating life	Not less than 4000km						
Lubricate	Not necessary+1.0						
Joint pipe bore	1/8"	1/4"		3/8"		1/2"	

DSN 6432 Series Stainless Steel Mini Cylinder(ISO6432)



DSN 6432 12x50-5



DSN 6432 20x50



DSN 6432 25x75



SPECIFICATION

Bore (mm)	8	10	12	16	20	25
Motion Pattern	Double Action					
Working Medium	Air					
Ensured Pressure Resistance	1.5Mpa					
Max.pressure	1.0Mpa					
Min.pressure	1.0Mpa 0.05Mpa					
Environment and fluid temp	-20 ~ +60°C(internal magnetic install by tech strap: type max.60°C)					
Piston velocity	50-750mm/s					
Buffer	Rubber buffer(buffer(standard), Air buffer(option))					
Lubrication	Needless					
Kinetic energy to tolerance	0.2	0.3	0.4	0.9	2.7	4
Joint pipe bore	M5X0.8				G1/8	

SI Series ISO6431 Standard Cylinder



SI 40x50-S



SIJ 32x50-25

Bore (mm)	32	40	50	63	80	100	125	160	200
Motion Pattern	Double Action								
Working Medium	Air								
Fixed Type	Basic Type FA FB CA CB CR LB TC TC-M Type								
Operating Voltage Range	1 - 9 Kg/cm ²								
Ensured Pressure Resistance	13.5 Kg/cm ²								
Operating Temperature Range	-5 - 70°C								
Operating Speed Range	50 - 800 mm/s								
Buffer Stroke	Adjustable Buffer								
Buffer Stroke	24								
Joint Pipe Bore	PT1/8	PT1/4		PT3/8		PT1/2		PT3/4	

MAL Aluminum Alloy Mini Cylinder MA Stainless Steel Mini Cylinder



Bore (mm)	16	20	25	32	40
Motion Pattern	Double Action/Single Action				
Working Medium	Air				
Fixed Type	Basic Type FA, LB, SDB/Type				
Operating Voltage Range	0.1 - 0.9 MPa				
Ensured Pressure Resistance	1.35 MPa				
Operating Temperature Range	-5 - 70°C				
Operating Speed Range	30 - 800 mm/s				
Joint Pipe Bore	M5X0.8		PT1/8		PT1/4

Thin Type Cylinder



SDA 40x15



SDAJ 32x25

Bore (mm)	12	16	20	25	32	40	50	63	80	100
Motion Pattern	Double Action									
Working Medium	Air									
Operating Voltage Range	0.1 - 0.9 MPa									
Ensured Pressure Resistance	1.35 Kg/cm ²									
Operating Temperature Range	-5 - 70°C									
Operating Speed Range	30 - 500 mm/s									
Buffer Stroke	Fixed type buffer									
Joint Pipe Bore	M5X0.8									

SC Series Standard Cylinder



SC 32x50



SC 40x50



SCJ 50x75-50

Bore (mm)	32	40	50	63	80	100	125	160	200
Motion Pattern	Double Action								
Working Medium	Air								
Fixed Type	Basic Type FA FB CA CB CR LB TC TC-M Type								
Operating Voltage Range	1 - 9 Kg/cm ²								
Ensured Pressure Resistance	13.5 Kg/cm ²								
Operating Temperature Range	-5 - 70°C								
Operating Speed Range	30 - 800 mm/s								
Buffer Stroke	Adjustable Buffer								
Buffer Stroke	24								
Joint Pipe Bore	PT1/8	PT1/4		PT3/8		PT1/2		PT3/4	

TN/CXS Series Parallel Double Cylinder



CXSW



CXS



TN

Bore (mm)	10	CXS15 TN16	20	25	32
Motion Pattern	Double Action				
Working Medium	Air				
Ensured Pressure Resistance	CXS: 13.5 kgf/cm ² TN: 10.5 kgf/cm ²				
Max. pressure	1-9 MPa				
Operating Temperature Range	CXS: 0-60°C TN: -5-70°C				
Operating speed range	CXS: 50-800 TN: 100-500				
Buffer	Softland Buffer				
Buffer Type	100				
Joint pipe bore	CXS: 10, 15, 20: M5 x 0.8 25, 32: 1/8" TN: 10, 16, 20, 15: M5 x 0.8 32: 1/8"				

Cylinder Accessories





FPC	
FPC4-M5	FPC8-01
FPC4-M6	FPC8-02
FPC4-01	FPC8-03
FPC4-02	FPC8-04
FPC6-M5	FPC10-01
FPC6-M6	FPC10-02
FPC6-01	FPC10-03
FPC6-02	FPC10-04
FPC8-03	FPC12-01
FPC8-04	FPC12-02
FPC8-M5	FPC12-03
FPC8-M6	FPC12-04



FPT	
FPT6-4	
FPT8-6	
FPT10-8	
FPT12-10	



FPU	
FPU-4	
FPU-6	
FPU-8	
FPU-10	
FPU-12	



FPKS	
FPKS04	
FPKS06	
FPKS08	
FPKS10	
FPKS12	



FPKD	
FPKD4-M5	FPKD8-02
FPKD4-M6	FPKD8-03
FPKD4-01	FPKD8-04
FPKD4-02	FPKD10-01
FPKD6-M5	FPKD10-02
FPKD6-M6	FPKD10-03
FPKD6-01	FPKD10-04
FPKD6-02	FPKD12-02
FPKD6-03	FPKD12-03
FPKD6-04	FPKD12-04
FPKD8-01	



FJSS	
FJSS6-01	
FJSS6-02	
FJSS8-01	
FJSS8-02	
FJSS10-02	
FJSS10-03	
FJSS12-02	
FJSS12-03	



FPL	
FPL4-M5	FPL8-04
FPL4-M6	FPL10-01
FPL4-01	FPL10-02
FPL4-02	FPL10-03
FPL6-M5	FPL10-04
FPL6-M6	FPL12-01
FPL6-01	FPL12-02
FPL6-02	FPL12-03
FPL6-03	FPL12-04
FPL6-04	
FPL8-01	
FPL8-02	
FPL8-03	



FPE	
FPE-4	
FPE-6	
FPE-8	
FPE-10	
FPE-12	



FPG	
FPG6-4	
FPG8-6	
FPG10-8	
FPG12-10	



FPKG	
FPKG 4	
FPKG 6	
FPKG 8	
FPKG 10	
FPKG 12	



FPM	
FPM04-12x1	
FPM06-14x1	
FPM08-16x1	
FPM10-18x1	
FPM12-20x1	



FPA	
FPA6	
FPA8	
FPA10	



FPB	
FPB4-M5	FPB8-02
FPB4-M6	FPB8-03
FPB4-01	FPB8-04
FPB4-02	FPB10-01
FPB6-M5	FPB10-02
FPB6-M6	FPB10-03
FPB6-01	FPB10-04
FPB6-02	FPB12-01
FPB6-03	FPB12-02
FPB6-04	FPB12-03
FPB8-01	FPB12-04



FPY	
FPY-4	
FPY-6	
FPY-8	
FPY-10	
FPY-12	



FPZ	
FPZ-4	
FPZ-6	
FPZ-8	
FPZ-10	
FPZ-12	



FBHF	
FBHF4-01	FBHF8-04
FBHF4-02	FBHF10-01
FBHF6-01	FBHF10-02
FBHF6-02	FBHF10-03
FBHF6-03	FBHF10-04
FBHF6-04	FBHF12-01
FBHF8-01	FBHF12-02
FBHF8-02	FBHF12-03
FBHF8-03	FBHF12-04



FJSC	
FJSC4-M5	FJSC8-02
FJSC4-01	FJSC8-03
FJSC4-02	FJSC8-04
FJSC6-03	FJSC10-02
FJSC6-M5	FJSC10-03
FJSC6-01	FJSC10-04
FJSC6-02	FJSC12-02
FJSC6-03	FJSC12-03
FJSC6-04	FJSC12-04
FJSC8-01	



FPAC	
FPAC 4	
FPAC 6	
FPAC 8	



FPD	
FPD4-M5	FPD8-02
FPD4-M6	FPD8-03
FPD4-01	FPD8-04
FPD4-02	FPD10-01
FPD6-M5	FPD10-02
FPD6-M6	FPD10-03
FPD6-01	FPD10-04
FPD6-02	FPD12-01
FPD6-03	FPD12-02
FPD6-04	FPD12-03
FPD8-01	FPD12-04



FPN	
FPN 6-4-4	
FPN 8-6-6	
FPN 10-8-8	
FPN 12-10-10	



FPX	
FPX4-M5	FPX8-01
FPX4-M6	FPX8-02
FPX4-01	FPX8-03
FPX4-02	FPX8-04
FPX6-M5	FPX10-01
FPX6-M6	FPX10-02
FPX6-01	FPX10-03
FPX6-02	FPX10-04
FPX6-03	FPX12-01
FPX6-04	FPX12-02
FPX8-M5	FPX12-03
FPX8-M6	FPX12-04



FJST	
FJST 4-01	FJST 8-04
FJST 4-02	FJST 10-01
FJST 6-01	FJST 10-02
FJST 6-02	FJST 10-03
FJST 6-03	FJST 10-04
FJST 6-04	FJST 12-01
FJST 8-01	FJST 12-02
FJST 8-02	FJST 12-03
FJST 8-03	FJST 12-04



FPCF	
FPCF4-M5	FPCF4-03
FPCF4-01	FPCF10-02
FPCF6-01	FPCF10-03
FPCF6-02	FPCF10-04
FPCF6-03	FPCF12-03
FPCF8-01	FPCF12-04
FPCF8-02	FPCF14-02



FHVFS	
FHVFS6-01	
FHVFS6-02	
FHVFS6-03	
FHVFS8-01	
FHVFS8-02	
FHVFS8-03	
FHVFS10-02	
FHVFS10-03	
FHVFS10-04	
FHVFS12-02	
FHVFS12-03	
FHVFS12-04	



FPV	
FPV-4	
FPV-6	
FPV-8	
FPV-10	
FPV-12	



FPLL	
FPLL4-M5	FPLL8-02
FPLL4-01	FPLL8-03
FPLL4-02	FPLL10-02
FPLL6-01	FPLL10-03
FPLL6-02	FPLL12-02
FPLL6-03	FPLL12-03
FPLL8-01	FPLL14-02



FPLF	
FPLF4-M5	FPLF8-03
FPLF4-01	FPLF10-02
FPLF6-01	FPLF10-03
FPLF6-02	FPLF10-04
FPLF6-03	FPLF12-02
FPLF8-01	FPLF12-04
FPLF8-02	FPLF14-02



FHVFF	
FHVFF 4	
FHVFF 6	
FHVFF 8	
FHVFF 10	
FHVFF 12	



FPED	
FPED 6-4	
FPED 8-6	
FPED 10-8	
FPED 12-10	



FFC	
FFC6-01	
FFC6-02	
FFC6-03	
FFC6-04	
FFC8-01	
FFC8-02	
FFC8-03	
FFC8-04	
FFC10-01	
FFC10-02	
FFC10-03	
FFC10-04	