

AirTAC INTERNATIONAL GROUP



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Global Automation Equipment Manufacturer's Long-term Strategic Partnership

AirTAC PRODUCTS CATALOG-2023

● Control components
● Preparation unit ● Accessories

Global

AirTAC

PRODUCTS CATALOG-2023

Control components, Preparation unit, Accessories





Control components

Solenoid valve

P16



CPV10 Series.....	17
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Manifold.....	87
ESV Series(ISO Standard).....	89

Air valve

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EAV Series(ISO Standard).....	125



Manual control valve、Mechanical control valve and other valves

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Fluid control valve

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Control components

To make system realize the best performance, the control components must be precise and accurate. Component with good performance is the precondition to realize precise and exact action. AirTAC has many types of control components for your choice:

1. Direction control valve—Solenoid valve.
2. Direction control valve—Air valve.
3. Direction control valve—manual control, mechanical control and other valves.
4. Fluid control valve—two way solenoid valve, angle seat valve.

Solenoid valve

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2J Series Angle seat valve.....	208





Solenoid valve(3/2 way,5/2 way,5/3 way)

Compendium of Solenoid valve

P17	Product feature	Photo	P23	Product feature	Photo
CPV10 Series Solenoid valve	•Can be used monomer or in series •Plug electrical connector •Manifold is optional •3/2 Way		CPV15 Series Solenoid valve	•Can be used monomer or in series •Plug electrical connector •Manifold is optional •3/2 Way	
P31	Product feature	Photo	P33	Product feature	Photo
3V1 Series Solenoid valve	•Coaxial blanking structure and direct acting(NC) •Can be used in series •Affiliated manual devices •3/2 Way		3V2 Series Solenoid valve	•Coaxial blanking structure and direct acting •NC, NO are optional •Affiliated manual devices •3/2 Way •Can be used under vacuum condition	
P35	Product feature	Photo	P37	Product feature	Photo
3V2M Series Solenoid valve	•Coaxial blanking structure and direct acting •NC, NO are optional •Affiliated manual devices •3/2 Way •Be used with manifold •Centralized exhaust and separated exhaust are optional		3V3 Series Solenoid valve	•Coaxial blanking structure and direct acting •NC, NO are optional •Affiliated manual devices •3/2 Way •Can be used under vacuum condition	
P39	Product feature	Photo	P42	Product feature	Photo
6TV0500~300 Series Solenoid valve	•Sliding column structure •Double control and single control are optional •NO and NC are optional for single control •Manifold is optional •3/2 Way		3V100~300 Series Solenoid valve	•Sliding column structure •Double control and single control are optional •NO and NC are optional for single control •Manifold is optional •3/2 Way	
P48	Product feature	Photo	P59	Product feature	Photo
6D0500~200 Series Solenoid valve	•Sliding column structure •Horizontal and vertical insertion can freely switch •Push-in fittings options •Manifold is optional •5/2 Way, 5/3 Way		6V0500~300 Series Solenoid valve	•Sliding column structure •Horizontal and vertical insertion can freely switch •Port threads and push-in fittings options •Manifold is optional •5/2 Way, 5/3 Way	
P65	Product feature	Photo	P71	Product feature	Photo
6HV0500~300 Series Solenoid valve	•Sliding column structure •Horizontal and vertical insertion can freely switch •Port threads options •DIN guide is optional •5/2 Way, 5/3 Way		7V0500~300 Series Solenoid valve	•Sliding column structure •Horizontal and vertical insertion can freely switch •Port threads and push-in fittings options •Manifold is optional •5/2 Way, 5/3 Way	
P77	Product feature	Photo	P85	Product feature	Photo
4V100~400 Series Solenoid valve	•Sliding column structure •Double control and single control are optional •Closed center, exhaust center and pressure center are available for 5/3 Way •Manifold is optional •5/2 Way, 5/3 Way		4M100~300 Series Solenoid valve	•Coaxial blanking structure •5/2 Way •Double control and single control are optional •Closed center, exhaust center and pressure center are available for 5/3 Way	
P87	Product feature	Photo	P89	Product feature	Photo
Manifold	•Can integrate valve of the same series to form valve group •Unified air intake and exhaust and unified wiring •Flexible combination and strong expansion capability		ESV Series Solenoid valve (ISO Standard)	•Sliding column structure •Double control and single control are optional •5/2 Way, 5/3 Way •Closed center, exhaust center and pressure center are available for 5/3 Way •The installation size conforms to ISO5599/1 standard	

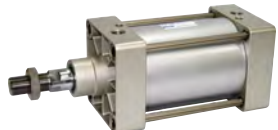
Installation and Application

1. Before installing, be sure the valve hasn't been damaged via transportation.
2. It's suggested to use the medium lubricated by 40μm filter element. Be aware of the flow direction and port size.
3. Please notice whether the installation condition accords with technical requirements (such as "voltage", "actuation frequency", "working pressure" and "scope of application temperature"), then the equipment can be installed and used.
4. Notice the flow direction of air during installation, P is the air intake, A (B) is the work port and R (S) is the exhaust outlet.
5. Take measure to avoid vibration and frozen.
6. Before using the fittings and tubes make sure they are clean. When connecting to fittings, be sure the PTFE Thread Seal Tape is used correctly.
7. To keep the dust away, please use the silencer for the exhaust ports. Never forget to install dirt-proof boot in air intake and outlet during dismounting.
8. After installing, please use the manual override to test valve first.





Standard cylinder

P12 SAI Series	 •SAI, SAID, SAIJ, SAIL, SAIF BSAI available •Bore size: 32 40 50 63 80 100 125 160 200 •Port size: 1/8" 1/4" 3/8" 1/2" 3/4"	P25 TSAI Series	 •TSAIM, TSAIL available •Bore size: 32 40 50 63 80 100 •Port size: 1/8" 1/4" 3/8" 1/2"
P28 SGC Series	 •SGC, SGCD, SGCJ available •Bore size: 125 160 200 250 •Port size: 1/2" 3/4" 1"	P34 SC Series	 •SC, SCD, SCJ, SCT available •Bore size: 32 40 50 63 80 100 125 160 200 250 •Port size: 1/8" 1/4" 3/8" 1/2" 3/4" 1"
P45 SAU Series	 •SAU, SAUD, SAUJ, SAUF available •Bore size: 32 40 50 63 80 100 •Port size: 1/8" 1/4" 3/8" 1/2"	P51 JSI Series	 •JSI, JSID, JSIJ available •Bore size: 32 40 50 63 80 100 125 •Port size: 1/8" 1/4" 3/8" 1/2"

Roundline cylinder

P57 MI Series	 •MI, MID, MIJ, MSI, MTI MIC, MICD, MICJ available •Bore size: 8 10 12 16 20 25 32 40 •Port size: M5 1/8" 1/4"	P63 TMI Series	 •TMIL, TMICL, TMIM, TMICM available •Bore size: 12 16 20 25 •Port size: M5, 1/8"
P66 PB Series	 •PB, PBD, PBJ, PSB, PTB PBR, PSBR, PTBR available •Bore size: 4 6 8 10 12 16 •Port size: Tube, M5	P74 MF Series	 •MF, MFD, MFJ, MSF, MTF MFC, MFCD, MFCJ available •Bore size: 20 25 32 40 •Port size: 1/8" 1/4"
P80 MG Series	 •MG, MGD, MSG, MTG MGC, MGCD available •Bore size: 20 25 32 40 50 63 •Port size: M5 1/8" 1/4"	P86 MA Series	 •MA, MAD, MAJ, MSA, MTA MAC, MACD, MACJ, MAR available •Bore size: 16 20 25 32 40 50 63 •Port size: M5 1/8" 1/4"
P94 MBL Series	 •MBL, MBLD, MBLJ, MSBL, MTBL, MBLC, MBLCD, MBLCJ available •Bore size: 20 25 32 40 50 63 •Port size: 1/8" 1/4"		



Compact cylinder

P100 ACF Series 	•ACF, ACFD, ACFJ, ASF, ATF TACF, TACFD available •Bore size: 12 16 20 25 32 40 50 63 •Port size: M5 1/8" 1/4"	P108 ACE Series 	•ACE, ACED, ACEJ, ASE, ATE TACE, TACED available •Bore size: 12 16 20 25 32 40 50 63 80 100 125 •Port size: M5 1/8" 1/4"
P116 ACQ Series 	•ACQ, ACQD, ACQJ ASQ, ATQ, TACQ available •Bore size: 12 16 20 25 32 40 50 63 80 100 125 140 160 •Port size: M5 1/8" 1/4" 3/8"	P130 SDA Series 	•SDA, SDAD, SDAJ, SSA STA, SDAT, SDAW available •Bore size: 12 16 20 25 32 40 50 63 80 100 •Port size: M5 1/8" 1/4" 3/8"

Mini free mount cylinder and Multi-mount cylinder

P136 MU Series 	•MU, MSU available •Bore size: 4 6 8 10 12 16 20 •Port size: M3 M5	P140 MD, MK Series 	•MD, MDD, MDJ, MSD, MTD MK, MKD, MKJ, MSK, MTK available •Bore size: 6 10 16 20 25 32 •Port size: M5 1/8"
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Plate cylinder and Threaded cylinder

P146 MPG Series Plate cylinder 	•MPG, MPGH available •Bore size: 6 8 10 12 16 •Port size: M3 M5	P150 MPE Series Threaded cylinder 	•MPE, MPEF available •Bore size: 6 8 10 12 16 •Port size: M5
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Twin-rod cylinder

P154 TN Series 	•TN available •Bore size: 10 16 20 25 32 •Port size: M5 1/8"	P157 TR Series 	•TR available •Bore size: 6 10 16 20 25 32 •Port size: M5 1/8"
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Tri-rod cylinder

P160 TC Series 	•TCL, TCM available •Bore size: 6 10 12 16 20 25 32 40 50 63 80 100 •Port size: M3 M5 1/8" 1/4" 3/8"	
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Slide table cylinder

P166 HGS Series slide table cylinder 	•HGS available •Bore size: 6 8 10 12 •Port size: M3 M5	P179 HLF Series slide table cylinder 	•HLF available •Cross roller guide •Bore size: 8 12 16 20 •Port size: M3 M5
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Slide table cylinder

P185 HLH Series slide table cylinder  •HLH available •Miniature linear guide •Bore size: 6 10 16 20 •Port size: M5	P191 HLQ Series slide table cylinder(Ball bearing type)  •HLQ, HLQL available •Miniature linear guide •Bore size: 6 8 12 16 20 25 •Port size: M5 1/8"
P209 HLS Series slide table cylinder(Cross roller type)  •HLS, HLSL available •Cross roller guide •Bore size: 6 8 12 16 20 25 •Port size: M5 1/8"	

Rodless magnetic cylinder and Rotary table cylinder

P229 RMS Series Rodless magnetic cylinder  •RMS available •Bore size: 10 16 20 25 32 40 •Port size: M5 1/8" 1/4"	P233 RMT Series Rodless magnetic cylinder  •RMT available •Bore size: 16 20 25 32 40 •Port size: M5 1/8" 1/4"
P238 RMTL Series Rodless magnetic cylinder  •RMTL available •Bore size: 10 16 20 25 32 40 •Port size: M5 1/8" 1/4"	P242 RMH Series Rodless magnetic cylinder  •RMH available •Bore size: 10 16 20 25 •Port size: M5 1/8"
P245 HRQ Series Rotary table cylinder  •HRQ available •Size: 2 3 7 10 20 30 50 70 100 200 •Port size: M5 1/8"	P253 HRS Series Rotary table cylinder  •HRS available •Size: 10 15 20 30 40 •Port size: M5 1/8"

Air gripper

P256 HFD Series compact air gripper  •HFD available •Bore size: 8 12 16 20 25 •Port size: M3 M5	P266 HFCQ Series air gripper(Hollow type)  •HFCQ available •Bore size: 16 20 25 32 40 50 63 •Port size: M3 M5
P274 HFKL Series air gripper(Long stroke)  •HFKL, HFSKL, HFTKL available •Bore size: 10 16 20 25 •Port size: M3 M5	P282 HFZ, HFK Series air gripper  •HFZ, HFSZ, HFTZ •HFK, HFSK, HFTK available •Bore size: 6 10 16 20 25 32 40 •Port size: M3 M5
P292 HFKP Series air gripper  •HFKP available •Bore size: 16 20 25 32 •Port size: M5	P298 HFP Series air gripper  •HFP, HFTP available •Bore size: 10 16 20 25 32 •Port size: M3 M5



Air gripper

P302 HFY Series air gripper



- HFY, HFTY available
- Bore size: 6 10 16 20 25 32
- Port size: M3 M5

P307 HFR Series air gripper



- HFR available
- Bore size: 10 16 20 25 32
- Port size: M5

P310 HFC Series air gripper



- HFCI, HFCY, HFCX available
- Bore size: 16 20 25 32 40 50 63
- Port size: M3 M5

P317 HFT Series Big size air gripper



- HFT available
- Bore size: 10 16 20 25 32
- Port size: M5 1/8"

Rotary clamp cylinder

P323 QDK Series Plane Rotary clamp cylinder



- QDK, QDK*U available
- Bore size: 20 25 32 40
- Port size: M5 1/8"

P326 QCK Series Rotary clamp cylinder



- QCK, QCK*M available
- Bore size: 12 16 20 25 32 40 50 63
- Port size: M5 1/8" 1/4"

Clamp cylinder

P331 AQK Series Pin clamp cylinder



- AQK, BAQK available
- Bore size: 50
- Port size: 1/8"

P339 MCK Serie Clamp cylinder



- MCKA, MCKB available
- Bore size: 25 32 40 50 63 80
- Port size: 1/8" 1/4" 3/8"

P344 JCK Serie Clamp cylinder



- JCK available
- Bore size: 40 50 63 80
- Port size: 1/8" 1/4"

P358 JSK Serie Clamp cylinder



- JSK available
- Bore size: 50 63
- Port size: 1/4"

New

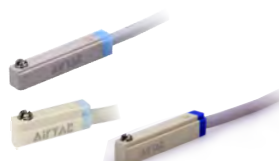
Cylinder joint accessory and Sensor switch

P361 Cylinder joint accessory



- I Knuckle, Y Knuckle
- F Knuckle, U Knuckle available

P365 DMS\EMS\CMS Series Sensor switch



- DMS, EMS, CMS available
- Waterproof type, General type available for DMS and EMS series
- Heat resistant type, General type available for CMS series

Shock absorber

P375 ACA\ACJ Series Shock absorber



- ACA, ACJ available
- High speed, Middle speed
- Low speed available
- No cap, Plastic cap
- Iron cap available

