




AirTAC

Product Profile (2023—North America)

A photograph of a modern, multi-story office building with a prominent glass facade. The building has a curved section on the left and a more rectangular section on the right. The word 'AirTAC' is visible on the top of the curved section. The building is surrounded by greenery and a clear sky.

AirTAC International Group

—About AirTAC

Milestones

1988:
Established the first
production base in China-
AirTAC Guangdong



1988:
AirTAC Taiwan
established



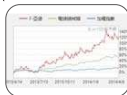
2008:
AirTAC Italy established



2002:
Established the largest
production base of the
group-AirTAC Ningbo



2010:
AirTAC IPO In Taiwan
(Stock code:1590.TW)



10,530 sqm R&D center
houses 365 engineers and 167 cutting
edge equipment for testing
and product development.



2013:
AirTAC Japan,
Malaysia, and Tainan
established



2012:
AirTAC Singapore
established



2018:
AirTAC USA established



2015:
AirTAC Thailand
established



Introduction

Three major manufacturing sites,
including AirTAC Taiwan, AirTAC
Guangdong, AirTAC Ningbo.
The production area covers
over 700,000 sqm in total.



More than 130 subsidiaries
worldwide with over
9,000 employees.



Extensive global sales
and service network with over
1,800 personnel in sales,
customer service and technical support.



Products manufacturing
with modern equipment
and over 300
automated assembly lines.



—Products profile

Actuators



NSU Series Cylinder	RMS/RMT/RMTL Series Cylinder
NPB Series Cylinder	HFD Series Thin Type Gripper
NACQ Series Cylinder	HFC/HFCQ Series Air Gripper
NACF Series Cylinder	HFH/HFKL Series Air Gripper
HGS Series Slide Cylinder	HFP/HFKP Series Air Gripper
HLH Series Slide Cylinder	HFZ/HFY Series Air Gripper
HLQ/HLS Series Slide Cylinder	HFR Series Air Gripper
HLF Series Slide Cylinder	HFT Series Wide Gripper
TR Series Cylinder	HRQ/HRS Series Rotary Table Cylinder
TCL/TCM Series Cylinder	I/Y Knuckle
RMH Series Cylinder	Floating and Universal Joint

Control Components



CPV10/CPV10S Series Solenoid Valve
CPV15/CPV15S Series Solenoid Valve
3V1/3V2/3V3/3V2M Series Solenoid Valve
3V100~300/6TV Series Solenoid Valve
7V/6V/6HV/6D Series Solenoid Valve
4V Series Solenoid Valve
Manifold Series
6A/3A/6TA/4A Series Air Valve
4H/4HV Series Hand Lever Valve
3L/4L Series Push-Pull Valve
HSV Series Hand Slide Valve
S3/M3/M5/CM3/ZM3 Series Control Valve
4F Series Foot Pedal Valve
ASC Series Flow Control Valve
NRV Series Non-return Valve
2S/2W/2L/2WA/2SA Series Fluid Control Valve
2V Series Fluid Control Valve

Linear Guide



LRM Series Miniature Linear Guide	LGC Series Crossed Roller Way
LSH Series Standard Linear Guide	
LSD Series Low Profile Type Linear Guide	

Preparation Units



GAC100~600 Series	GPR Series Precision Regulator
GAF100~600 Series	SDR Series Regulator
GAR100~600 Series Regulator	GS/GF/GU Series Pressure Gauge
GT200 Series (Short PC Bowl)	DPS/DPH Series Pressure Switch
GPF Series Oil Mist Filter	GVR Series Vacuum Regulator
	GVF Series Vacuum Filter

Accessories



ACA/ACJ Series Shock Absorber
CMS/DMS/EMS Series Sensor
One-Touch Fittings/Metal One-touch Fittings
UE95A/UCS Series PU Tubing
Silencers/Speed Controllers
Finger Valve/Pilot Check Valve
PCV Series Pilot No-return Valve

—Products Profile

CPV10, CPV15, 3V2, 3V2M, 3V3 Series Solenoid Valve(3/2Way)



- Direct acting type and normally closed mode.
- Structure in coaxial blanking mode.
- NC/NO types are optional. Port size: $\Phi 4$, 1/8", 1/4".
- Space saving, available in Body Ported & Manifold mounting option.
- Standard voltage: AC220V, AC110V, AC24V, DC24V, DC12V.

3V1 Series Solenoid Valve(3/2Way)



- Direct acting type and normally closed mode.
- Space saving with stackable option.
- Port size: M5 & 1/8".
- Manual Override to facilitate installation.
- Standard voltage: AC220V, AC110V, AC24V, DC24V, DC12V.

6V Series Solenoid Valve(5/2(3)Way)



- Spool design.
- Threaded type and quick connector type are optional.
- Manifold available.
- Standard voltage: AC220V, AC110V, DC24V, DC12V.

Manifold & 080, 092 Series Coil



- Manifold eases and saves space with several valves installation.
- Standard voltage: AC220V, AC110V, AC24V, DC24V, DC12V.

3V100~300/6TV Series Solenoid Valve(3/2Way)



- Assisted pilot spool design.
- Double solenoid valves have memory function.
- Manifolds are available for space saving installation.
- Port size: M5, 1/8", 1/4", 3/8".
- Standard voltage: AC220V, AC110V, AC24V, DC24V, DC12V.
- Horizontal and vertical insertion can freely switch(6TV).

4V Series Solenoid Valve(5/2(3)Way)



- Assisted pilot spool design.
- 5/3 way with Closed, Exhaust & Pressure center option.
- Double solenoid valves have memory function.
- Manifold available for space saving installation.
- Port size: M5, 1/8", 1/4", 3/8", 1/2".
- Standard voltage: AC220V, AC110V, AC24V, DC24V, DC12V.

—Products Profile

6HV/7V Series Solenoid Valve(5/2(3)Way)



- Spool design.
- Threaded type and quick connector type are optional.
- Horizontal and vertical insertion can freely switch.
- Manifold available.
- The rail of 6HV is accordance with DIN standard.
- 6HV series is integrated structure.
- Standard voltage: AC220V, AC110V, DC24V, DC12V.

6A/4A100~400 Series Air Valve(5/2(3)Way)



- Spool design.
- 5/3 way with Closed, Exhaust & Pressure center option.
- Double pilot valves have memory function.
- Manifold available for space saving installation.
- Port size: M5, 1/8", 1/4", 3/8", 1/2".

6D Series Integrated Solenoid Valve(5/2(3)Way)



- Spool design.
- Quick connector type is optional.
- Manifold available.
- Standard voltage: AC220V, AC110V, DC24V, DC12V.

3A100~300/6TA Series Air Valve(3/2Way)



- Spool design.
- 3/2 way, double pilot valves have memory function.
- Manifold available for space saving installation.
- Port size: M5, 1/8", 1/4", 3/8".

4HV,4HVL Series Hand Lever Valve



- Panel and body installation are optional.
- The direction-change turns lightly, smoothly and exact orientation.
- Port size: 1/8", 1/4", 3/8", 1/2", 3/4".

HSV Series Hand Slide Valve



- Wide port connection options.
- Large effective orifice.
- Port size: 1/8", 1/4", 3/8", 1/2", 3/4", 1".

4H Series Hand Lever Valve(5/2(3) Way)



- Manual operation, spool design.
- 5/2 way, 5/3 way.
- Port size: 1/8", 1/4", 3/8".

3L/4L Series Push-pull Valve(5(3)/2Way)



- Manual operation, spool design.
- 3L Series: 3/2 way, 4L Series: 5/2 way.
- Port size: 1/8", 1/4", 3/8".

—Products Profile

CM3 Series Manual/Mechanical Valve, 3/2 & 5/3 Way



- Normally closed. Multi operators selection.
- Can be used for position test or limit switch.
- Port size: M5、1/8"、1/4".

S3 Series Control Valve(3/2Way)



- Normally closed.
- Can be used for position test or limit switch.
- Multi operators choice.
- Port size: M5、1/8"、1/4".

M5 Series Control Valve(5/2Way)



- Spool design.
- Can be used for position test or limit switch.
- Multi operators selection.
- Port size: M5、1/8"、1/4".

M3 Series Control Valve(3/2Way)



- Spool design.
- Can be used for position test or limit switch.
- Multi operators selection.
- Port size: M5、1/8"、1/4".

ZM3 Series Control Valve(3/2Way)



- Changeable activity direction.
- The rolling wheel could be installed at the inside of leverage.
- Changeable head part direction.
- Changeable contact pin length.
- Changeable leverage installation position.
- Port size: 1/8"

4F Series Foot Pedal Valve(5/2Way)



- Direct acting and normally closed type.
- Plastic guard or with lock may be selected.
- Port size: M5、1/8"、1/4".

ASC Series Flow Control Valve



- Small and compact structure.
- Allows air to exhaust and cut off air flow.
- Can be mounted in various position to facilitate installation and application.
- Port size: 1/8"、1/4"、3/8"、1/2".

—Products Profile

2WA/2SA Series 2/2 Way Valve



- Normally Open/Closed & Direct/Indirect(Piston) acting options. Suitable for several working medium.
- The protection class is IP65 and grommet or terminal electrical entry for your choice.
- Port size: 1/8" to 1".

2W/2S/2L Series 2/2 Way Valve



- Normally Open/Closed & Direct/Indirect(Piston) acting options. Suitable for several working medium.
- The protection class is IP65 and grommet or terminal electrical entry for your choice.
- Port size: 1/8" to 2".

GAC Series F.R.L. Combination



- The adjustment of oil supply is more reliable.
- Filling oil while the lubricator is workable.
- The pressure adjustment is reliable with high precision.
- High efficiency of eliminating moisture and particles.
- Two drain types are available.
- Port size: M5、1/8"、1/4"、3/8"、1/2"、3/4"、1".

NRV Series Non-return Valve



- It allows the fluid to flow in one direction **ONLY**.
- The spool is made of POM, valve's core sealed with rubber, and it has a compact structure.
- Large orifice design.
- Port size: 1/8"、1/4"、3/8"、1/2"、3/4"、1".

2V Series Fluid Control Valve



- Normally Closed with Direct/Indirect (Diaphragm) acting options.
- Suitable for several types of working medium.
- Port size: 1/8"、1/4"、3/8"、1/2"、3/4"、1".

GAFC Series FR.L. Combination



- The performance of pressure adjustment is reliable with high precision.
- High efficiency of eliminating moisture and particles.
- Two drain types are available.
- Port size: M5、1/8"、1/4"、3/8"、1/2"、3/4"、1".

—Products Profile

GAR Series Regulator



- Clasp circular pressure gauge with magnifying function.
- With press down self-locking mechanism and balance valve design.
- In addition to panel installation, the bracket is optional.
- Standard type, lower pressure type is optional.
- Port size: 1/8", 1/4", 3/8", 1/2", 3/4", 1".

GPF Series Oil Mist Filter



- Low pressure drop & high oil mist removal efficiency.
- Two drain types are available.
- Metal: PC & Nylon bowl with metal guard options.
- Port size: 1/8", 1/4", 3/8", 1/2".

SDR Series Regulator



- Backpressure structure.
- Standard type, lower pressure type is optional.
- Single unit installation; easy to mount
- Port size: M5, 1/8", 1/4".

GT Series PC Bowl



- The PC bowl type is upgraded GA series.
- Water bowl and oil bowl are PC material.
- Port size: 1/8", 1/4".

GPR Series Precision Regulator



- Precision regulating Range: Low; Mid & High pressure.
- Single unit installation; or used with GAF series; easy to mount.
- Port size: 1/8", 1/4", 3/8", 1/2".

DPS/DPH Series Pressure Switch



- Piping/Tube size: M5, 1/8" / $\Phi 4\text{mm}$, $\Phi 6\text{mm}$, $\Phi 1/4"$.
- Measurement range: -100kPa~1000kPa
- Voltage: DC12~24V $\pm 10\%$
- Repeatability accuracy: $\pm 0.7\%$ F.S or $\pm 0.2\%$ F.S
- Temperature range: 0~50°C

GS/GF/GU/GP/GV Series Pressure Gauge



- It has sensitive reaction and can work under low pressure.
- There are several installation ways and installing accessories to be selected.
- The displayed words in the dial are clear.
- Port size: 1/8", 1/4".

—Products Profile

GVR Series Vacuum Regulator



- With press down self-locking mechanism and balance valve design.
- In addition to panel installation, the bracket is optional.
- Port size: 1/4", 3/8".

GVF Series Vacuum Filter



- Low pressure drop & high efficiency in separating water and large drain bowl capacity.
- Filtering grade includes 5µm and 40µm (Optional).
- Metal, PC & Nylon bowl with metal guard options.
- Port size: 1/8", 1/4", 3/8", 1/2".

NSU Series Standard Cylinder(Profile)



- NFPA standard cylinder.
- Aluminum profile barrel without tie rods.
- High temperature (150°C) resistance seal (optional).
- Bore size: 1-1/2", 2", 2-1/2", 3-1/4", 4", 5".
- Port size: 1/8", 1/4", 3/8", 1/2".

NPB/NPBR Series Imperial Mini Cylinder



- Imperial standard cylinder.
- Stainless steel piston rod & barrel.
- Optional cylinder types and accessories.
- Bore size: 5/16", 7/16", 9/16", 3/4", 7/8", 1-1/16", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2".
- Port size: #10-32 UNF, NPT1/8, NPT1/4.

NACQ Series Compact Cylinder



- Imperial standard cylinder which C clip and riveted structure are adopted.
- Several accessories are optional.
- Magnetic switch slots around the cylinder barrel.
- Bore size: 12, 16, 20, 25, 32, 40, 50, 63, 80, 100(mm).
- Port size: M5, 1/8", 1/4", 3/8".

NACF Series Compact Cylinder



- Imperial standard cylinder which circle body.
- Female thread and male thread are optional.
- Magnetic switch slots around the cylinder barrel.
- Bore size: 9/16", 3/4", 1-1/16", 1-1/2", 2", 2-1/2", 3", 4".
- Port size: M5, 1/8", 1/4", 3/8".

—Products Profile

TR Series Twin-rod Cylinder



- JIS standard cylinder.
- Adopts longer sliding supporting guide.
- High non-rotating precision and low deflection of the end of piston rod.
- Good bending and twisting resistance.
- Multi installation ways of cylinder and fixation ways of loads.
- Bore size: 6, 10, 16, 20, 25, 32(mm). Port size: M5, 1/8".

TCL/TCM Series Tri-rod Cylinder



- JIS standard.
- Linear/bronze bearing guide.
- Drive unit and guide unit are in the same barrel.
Alternate inlet and outlet ports.
- 4 sensor mounting slots.
- Multi-mount body design.
- Bore size: 6, 10, 12, 16, 20, 25, 32, 40, 50, 63, 80, 100(mm).
- Port size: M3, M5, 1/8", 1/4", 3/8".

HLF Series Low Profile Precision Slide Table Cylinders



- Cross roller linear guide and cylinder integrated type design, effectively reducing cylinder thickness.
- With superior straightness and non-rotating accuracy for precision assembly application.
- Cylinder can be installed from 2 directions.
Piping is possible from 2 directions.
- Bore size: 8, 12, 16, 20(mm) Port size: M3, M5.

HLQ Series Compact Slide Cylinder



- Recirculating linear ball bearing, through hole for body mounting.
- With pin holes for positioning.
- Dual piston rod with floating joint design.
- Two models (HLQ/HLQL) are available.
- Bore size: 6, 8, 12, 16, 20, 25(mm). Port size: M5, 1/8".

HLS Series Compact Slide Cylinder



- Roller bearing, through hole for body mounting.
- With pin holes for positioning.
- Dual piston rod with floating joint design.
- Two models (HLS/HLSL) are available.
- Bore size: 6, 8, 12, 16, 20, 25(mm). Port size: M5, 1/8".

HLH Series Compact Slide Cylinder



- Miniature linear ball bearing integrated cylinder.
- Excellent straightness and non-rotation precision.
- 4 directions mounting.
- 3 directions piping.
- Bore size: 6, 10, 16, 20(mm). Port size: M5.

RMH Series Rodless Magnetic Cylinder



- Dust-proof design and with the slide rail.
- Non adjustable rubber bumpers/adjustable pneumatic cushion.
- Bore size: 10, 16, 20, 25(mm).
- Port size: M5, 1/8".

—Products Profile

RMS/RMT/RMTL Series Rodless Magnetic Cylinder



- Double guides are available for RMT series.
- Dust-proof design.
- Non adjustable rubber bumpers/adjustable pneumatic cushion.
- Bore size: 10, 16, 20, 25, 32, 40(mm)(RMS/RMTL).
16, 20, 25, 32, 40(mm)(RMT).
- Port size: M5, 1/8", 1/4".

HRQ/HRS Series Rotary Table Cylinder



- Rack and pinion design, double piston rod structure with excellent stability.
- Center through hole and positioning hole design.
- Adjustment bolt buffer/ internal shock absorber buffer.
- Specification: HRQ: 2, 3, 7, 10, 20, 30, 50, 70, 100, 200.
HRS: 10, 15, 20, 30, 40.
- Port size: M5, 1/8".

HFR/HFY/HFP Series Air Gripper



- HFR series is 180° open/close type.
- HFY series is single piston structure and integrated with flow control screw.
- HFP series is mechanical parallel lever style, reducing abrasion.
- Various types of installation.
- All series with magnet.
- Bore size: 6, 10, 16, 20, 25, 32(mm)(HFR/HFY)
10, 16, 20, 25, 32(mm)(HFP).
- Port size: M3, M5.

HGS Series Compact Slide Cylinder



- Bore size: 6, 8, 10, 12(mm).
- Port size: M3, M5.

HFD Series Thin Type Gripper



- Bore size: 8, 12, 16, 20, 25(mm).
- Port size: M3, M5.

HFC/HFCQ Series Air Gripper(Parallel Open/Close Style)



- Wedge block and bumper are adopted.
- Positioning hole design.
- 2/3/4 fingers are available(HFC series).
- Dustproof design
and push rod mechanism is available(HFCQ series).
- Bore size: 16, 20, 25, 32, 40, 50, 63(mm).
- Port size: M3, M5.

HFT Series Gripper



- Design for large workpiece.
- Double pistons design to increase the clamping force.
- Magnet is included in the standard configuration.
- The gripper opening or closing can be precisely synchronized with the rack & pinion mechanism.
- Bore size: 10, 16, 20, 25, 32(mm).
- Port size: M5, 1/8".

HFZ/HFK/HFKL/HFKP Series Air Gripper



- Integrated design of linear guide rail, parallel style.
- A positioning pin is attached to the bottom of the linear guide rail.
- Positioning hole design to improve the precision and the consistency of repeated dismounting and positioning.
- Long clamping stroke(HFKL).
- Dustproof and pushing rod mechanism is available (HFKP series).
- The initial position of clamping jaw can be customized.
- Bore size: 6,10,16,20,25,32,40(mm). Port size: M3,M5.

LSH Series Standard Linear Guide



- Common slide design, Steel Ball Retainer.
- Double-lip Seals Design. Cover Protection Design.
- Standard type and Long type are available.
- One block type and two blocks type are available.
- Square type, flange type(top-mount), flange type(bottom-mount) slider are optional.
- Type: 15,20,25,30,35.

LRM Series Miniature Linear Guide



- Steel Ball Retainer.
- Double-lip Seals Design. Cover Protection Design.
- Standard type and Long type are available.
- One block type and two blocks type are available.
- Width of rail: 5,7,9,12,15(mm).

DMS/EMS/CMS Series Sensor



- General type and Heat resistant type are available(CMS).
- General type and Waterproof type are available(DMS/EMS).
- Specifications: CMSG, CMSH, CMSE, CMSJ
DMSG, DMSH, DMSE, DMSJ, EMSH, EMSG
- Lead wire length: 2m, 3m, 5m, 10m
150mm with M8 plug connector
150mm with M12 plug connector
- Optional accessories optional.

LSD Series Low Profile Type Linear Guide



- Common slide design, Steel Ball Retainer.
- Double-lip Seals Design. Cover Protection Design.
- Standard type and Short type are available.
- One block type and two blocks type are available.
- Square type, flange type(top-mount), flange type(bottom-mount) slider are optional.
- Type: 15,20,25,30,35.

LGC Series Crossed Roller Way



- General installation specification.
- Full use of stainless steel material for guide rail .
- The length of the guide rail and the number of the roller can be selected according to the demand.
- Accuracy class: High-accuracy and precision grade.
- Three-row type and four-row type are available.
- Roller diameter: $\Phi 1.5, \Phi 2, \Phi 3, \Phi 4, \Phi 6$ (mm).

—Products Profile

I/Y/F/U Series Cylinder Joint Accessory



- Be used with cylinders.

Shock Absorber



- Metric thread type and Imperial type are available.
- QPQ process.
- All threaded outer body has good heat dissipation and easy to install.
- With high hardness stainless steel shaft.
- Special oiling process leads to stable shock absorbing.
- Compact structure and high absorbed energy.
- Use special lubricants as buffer medium.

Silencers



- Excellent silencing performance.
- Easy installation.
- Reliable and durable.
- Easy to adjust the exhaust flow of the throttling type silencer.
- Port size: M5, 1/8", 1/4", 3/8", 1/2".

Polyurethane Tubing



- Metric type and Imperial type of PU tube are available.
- RoHS standard.
- High elasticity. Anti-kink. Excellent flexibility.
- Anti-abrasion. Low permeability of gas.
- Good anti-solubility. Low compression.
- Wide resistance

PCV Series Pilot Check Valve



- Can be used for safety loop of pressure holding.
- Can make cylinder momentary stop, accurate orientation.
- Can be used for special loop.
- Fitting joint and female thread type are used for pilot port.
- Port size: 1/8", 1/4", 3/8", 1/2"

Finger valve/Speed Controllers



- Metric type and Imperial type are available.
- Excellent flow characteristic, high sensitivity and easy to adjust.
- The silencer brass body adopts a special nickel-plating process.
- The inserting direction of universal speed controller can be adjusted in 360°.

One-touch Fittings



- Metric type, Imperial type and NPT thread type are available.
- Variable models are optional.
- The threaded portion is covered with sealant and the M5 thread is attached with a sealing gasket.
- Nickel plated body, metallic body and plastic body are optional.



Canadian Distributor:



SNS Industrial Group

221 Holiday Inn Drive, Unit 102A
Cambridge Ontario N3C 3T2

www.snsindustrial.com

226-566-9677

Sales@snsindustrial.com



www.airtac.com

