

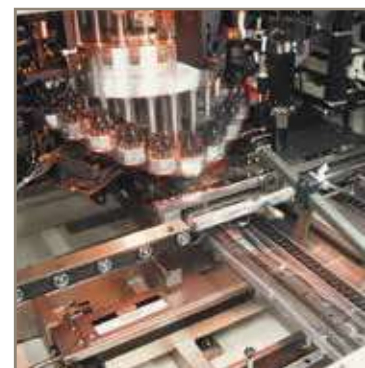
aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Parker Pneumatic

A complete range of system components

Catalogue PDE2600PNUK February 2016



ENGINEERING YOUR SUCCESS.

Parker Hannifin

Parker Hannifin is one of the world's leading suppliers of products and solutions in Motion and Control. Using innovative product development and an acquisition strategy to increase our range of pneumatic products and solutions, we now have one of the broadest product offerings available in the market.

Our range now extends from the compressor to the point at which the air is used. This could be supplying power take off on a vehicle, moving a cylinder or

gripper to milking cows.

The design and manufacture of bespoke integrated solutions for air, gas and fluid control is one of our core specialisation.

The Parker network of distributors is the most comprehensive in the world, which means our products are available from specialist pneumatic distributors wherever you are located.

In the following pages are listed the core first choice products from across Parker which are aimed at the pneumatic market. From valves, actuators and air preparation to push in fittings quick connectors and tubing to customized systems. In this catalogue you will find products from Pneumatic Division Europe, Legris, Rectus Tema, Fluidconnectors, and Fluid Controls, presenting an unrivalled choice of products and solutions to suit virtually any application.

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met. The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

SALE CONDITIONS

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Linear Actuators

ISO 15552 Cylinders - P1D-S



p24

- Premier Line
- Available in Ø32 to 125 mm bores
- PUR seals for long service life
- Drop-in sensors
- Corrosion resistant design
- Magnetic piston as standard
- Lubricated with food grade grease

ISO 15552 Cylinders - P1D-B



p37

- Basic Line
- Available in Ø32 to 125 mm bores
- PUR seals for long service life
- Drop-in sensors
- Corrosion resistant design
- Magnetic piston as standard
- Lubricated with food grade grease

ISO 15552 Cylinders - P1D-C



p48

- Ultra Clean Line
- Available in Ø32 to 125 mm bores
- PUR seals for long service life
- Corrosion resistant design
- Lubricated with food grade grease

ISO 15552 Cylinders - P1D-C



p51

- Pro Clean Line
- Available in Ø32 to 125 mm bores
- PUR seals for long service life
- Drop-in sensors
- Corrosion resistant design
- Magnetic piston as standard
- Lubricated with food grade grease

ISO 15552 Cylinders - P1D-T



p54

- Tie Rod Line
- Available in Ø32 to 320 mm bores
- PUR seals for long service life
- Magnetic piston as standard
- Adjustable cushioning as standard
- High and Low temperature versions
- ATEX certified on option

ISO 15552 Cylinders - P1D-X



p64

- Extreme Line
- Available in Ø32 to 125 mm bores
- PUR seals for long service life
- Drop-in sensors
- Corrosion resistant design
- Magnetic piston as standard
- High and Low temperature versions

Rod Lock Cylinders - P1D-L / P1D-H



p69

- Available in Ø32 to 125 mm bores
- PUR seals for long service life
- Drop-in sensors
- Corrosion resistant design
- Magnetic piston as standard
- Lubricated with food grade grease

ISO 6432 Mini Cylinders - P1A-S



p80

- Available in Ø10 to 25 mm bores
- Corrosion resistant design and low weight construction
- Magnetic piston as standard
- End stroke buffers for long service life
- Available with adjustable cushioning

Linear Actuators

All Round Cylinders R Series



p86

- Available in Ø32 to 63 mm bores
- Double acting without cushioning
- Double acting with adjustable cushioning
- Pivot mounted on the front and rear cylinder covers
- Magnetic piston as standard, non magnetic on option

ISO 6432 Stainless steel - P1S



p90

- Available in Ø10 to 25 mm bores
- Magnetic piston as standard
- Double and single acting
- End stroke buffers for long service life
- Available with adjustable cushioning

ISO 6431 Stainless steel - P1S



p95

- Available in Ø32 to 125 mm bores
- Clean, smooth washdown design
- Magnetic piston as standard
- Adjustable cushioning for long service life

ISO 21287 Compact Cylinders - P1P



p101

- Available in Ø20 to 100 mm bores
- Corrosion resistant design and low weight construction
- PUR seals for long service life
- Drop-in sensors
- Magnetic piston as standard
- High and Low temperature versions

ISO 15524 Compact Cylinders - P1Q



p115

- Available in Ø12 to 100 mm bores
- Magnetic or non magnetic versions
- Flush fit sensors
- Buffer cushioning as standard
- Piston wear ring on Ø32 to 100 mm
- Tapped both ends

Cartridge Cylinders - P1G



p119

- Non - lube operation
- Corrosion resistant design
- Integral mounting
- Compact construction
- Single acting as standard

Short Stroke Cylinders - C05



p120

- Short stroke cylinders providing high clamping forces
- Compact dimensions for confined spaces
- Single and double acting versions
- Simple installation and mounting

Rodless Cylinders

Rodless Cylinders - OSP-P



p121

- Completely modular design
- Compact design
- Service intervals up to 8,000km
- Widest capability for speed, load and movement profiles
- High loads and moments
- Wipersystem with automatic re-adjustment

Rodless Cylinders - OSP-L



p161

- Completely modular design
- Compatible with the comprehensive ORIGA OSP system component range
- High loads and moments
- Space saving
- For a wide range of loads, speeds and motion profiles

Rodless Magnetic Cylinders - P1Z



p178

- Double acting with guide
- Magnetically coupled without mechanical connection
- Mechanical protection in case of occasional overload due to magnetic uncoupling
- Piston chamber and Slide are pressure tight
- Pressure tight and leak free system

Handling Products

Grippers - P5G



p195

- Available with range of bore sizes Ø10 to 32 mm
- Highly accurate air driven device for holding work-piece.
- Magnetic as standard
- Reference points on gripping fingers are standard

Rotating Tables - P5RS



p203

- Bores Ø16, 20, 25 and 32 mm
- Twin rack and pinion
- Adjustable between 0° to 190°
- Magnetic piston standard
- Stroke adjusters standard
- Available with shock absorbers

Slide Tables - P5SS



p205

- High precision
- Bores Ø6, 8, 12, 16, 20 and 25mm
- Combination of dual bore cylinder and linear rail
- Magnetic piston standard
- Rubber bumper standard
- Stroke adjusters available
- Shock absorbers available

Stopper Cylinders - STV / STVR



p214

- Available with hydraulic Industrial shock absorbers
- Vertical and horizontal versions
- Integrated shock absorber for heavy conveyed loads
- Roller for lower conveyed load weights
- Direct stopping piston rod for heavy conveyed loads

Compact Guided Cylinders - P5T



p222

- Available in Ø16 to 100 mm bores
- Stainless steel guide rods
- Wide range of standard strokes
- Flexible porting as standard
- Buffer cushioning as standard

Twin Rod Cylinders - RDV / AZ



p226

- RDV Series**
 - Available in Ø25 mm bore
- AZ Series**
 - Available in Ø32 to 100 mm bores
 - Non rotating
 - Double acting
 - Adjustable cushioning
 - Magnetic piston as standard

Shock Absorbers - SA



p233

- Integral stop collar
- Soft pad
- Rectangular flange
- Foot mounting
- Adjustable without return spring, for use with external air-oil tank

Shock Absorbers - MC-SC



p237

- Compact and heavy duty versions
- High energy absorption
- Low return force
- Long service life
- Increases productivity
- Reduces maintenance

Air Motors

Stainless Steel Air Motors - P1V-S



p240

- Power from 0,02kW to 1,2kW
- All stainless steel design
- ATEX approved
- No-lube intermittent operation as standard
- External seals in fluor rubber (FPM)
- 0,2, 0,3 and 1,2kW Brake option
- Drilling, milling and grinding motors
- Power from 0,08 to 1,0kW
- Drill check and collet versions

Robust Air Motors - P1V-M



p246

- Power 0,2, 0,4, 0,6, 0,9 and 1,2 kW
- Robust design
- ATEX approved
- Ideal for industrial applications
- Gear less version and integrated gear boxes version
- Patented vane change system
- Free speeds from 32 up to 10500 rpm
- Torque from 0,38 Nm up to 120Nm
- Foot and flanges mountings

Vane Air Motors - P1V-A & B



p251

- Power 1600, 2600 and 3600 watts
- For heavy duty applications
- Free speed of 9000 rpm
- Torque from 40 Nm to 4000 Nm
- Standard equipped with flange mounting
- Power 5,1 kW, 9 kW and 18 kW
- For the very heavy duty applications
- Free speed of 6000 rpm
- High torque from 16.2 Nm to 57 Nm

Radial Piston Air Motors - P1V-P



p269

- Power 0,73 kW, 0,125kW and 0,228kW
- Low speed and high torque
- Available as base and brake motors
- Free speed from 2200 down to 7,4 rpm
- High torque from 0,637Nm up to 500Nm

Rotary Actuators

Rotary Vane Actuators - PRO / PRN



p278

- Compact design
- Durable construction
- Long maintenance-free life
- High output torque/weight ratio
- Wide choice of torques available (up to 247 Nm)
- Vane type

Rotary Vane Actuators - PV



p280

- Double acting actuators
- Single or double vane
- Compact smooth design
- Uniform torque in both directions
- Angle adjustment and sensors available.
- Vane type

Rotary Rack and Pinion Actuators - RA



p281

- 5 unit sizes
- Torque from 20 to 200 Nm
- Turning angles of 90° or 180°
- Keyway output shaft
- Direct Namur valve connection
- Rack and pinion

Rotary Rack and Pinion Actuators - VRS/VRA



p282

- Bores from Ø32 to 125mm with rotative angles of 96°, 186° and 366°
- Magnetic piston versions can be fitted with P8S sensors and brackets
- Operates with dry, lubricated or non lubricated air

Thrust Drives

Air Bellows - 9109 / SP



p288

- 10 sizes, diameters 70 to 660 mm, Strokes from 20 to 410 mm, single, double or triple convolutions (removable type)
- 7 sizes, diameters 82 to 288 mm, Strokes from 55 to 170 mm, single or double convolutions (crimped type)
- High thrust and frictionless movement
- Maintenance free

Thrust Cylinders - C0D / C0P



p293

- Thrust cylinders provide large forces
- Compact dimensions
- C0D, diaphragm type
- C0P, piston type
- Available in single and double acting versions

Hydraulic Clamp Cylinders - VB



p296

- Single acting cylinders with built-in hydro-pneumatic intensifier
- Compact size with large clamping forces up to 2700 daN (depending on air pressure)
- Operated using a compressed air supply, no special installation required

Hydrochecks - B181



p297

- Range of imperial sizes
- Gives smooth control feeds
- Strokes up to 450 mm.

Electromechanical Drives

Electric Linear Actuators - OSP-E / BHD



p300

- For particularly high requirements regarding loads and forces
- For high-speed applications and highly dynamic motion profiles
- BHD with toothed belt and integrated heavy duty guide: roller guide or re-circulating ball bearing guide

Electric Linear Actuators - HMR



p342

- Three alternative drive technologies in one profile
- Unique flexibility and reliability
- High speed and precision
- Two profile versions, four profile sizes
- Optional IP54 snap-in covers

Valves

Metal Spool Valves - Viking Lite



p355

- 3 sizes: G1/8, G1/4 and G3/8.
- Large flow capacity with short change-over times.
- Low change over pressure.
- Dynamic bi-directional spool seals.
- Do not require lubrication in operation but can also be installed in systems that are lubricated.

Metal Spool Valves - Viking Xtreme



p367

- 4 sizes: G1/8, G1/4, G3/8 and G1/2.
- Compact design with good corrosion resistance.
- Wide range of 5/2 and 5/3 versions.
- High and low temperature versions available for transport applications.

Adex Directional Control Valves



p383

- 2 sizes: M5 and 1/8"
- Compact body with large flow
- Quick response time, faster than 10ms
- Expected life time more than 50,000,000 cycles
- Low power consumption only 0.6W

Manual & Mechanically Operated Valves



p388

- G1/8, G1/4 body ported
- Rugged die cast body
- 3/2, 5/2 & 5/3 configurations
- Stainless steel spool
- Viton body seals as standard
- Integral mounting holes
- Manual, mechanical and automatic actuators.

Directional Control Valves - VA



p398

- Rugged valves for heavy duty applications
- Large and robust actuators for easy operation
- Excellent corrosion resistance
- Integral mounting holes
- Panel mounting versions

Heavy Duty Poppet Valves



p400

- G3/8 & G1/2 body ported
- 2/2 & 3/2 NC spring return as standard
- High flow poppet design
- Manual and mechanical and solenoid actuators
- Light actuation forces
- Integral mounting holes.

DX ISO Valves - ISOMAX



p405

- ISO sizes 02, 01, 1, 2 & 3 sub base & manifold mounted valves
- ISO 5599-1 & ISO 15470-1
- Excellent reliability, in excess of 100 million cycles
- Ceramic slide technology operates on Lubricated or non-lube air

H Series ISO Valves



p413

- ISO sizes 02, 01, 1, 2 & 3 sub base mounted valves
- ISO 5599-1, ISO 5599-2, ISO 15470-1 & ISO 15470-2
- Stable long lasting performance
- Heavy duty metal bodies
- Wear compensating seal technology

Valves

H Series Micro Valves



p440

- Up to 8 pneumatic functions on a 42mm width metal sub base
- 4 valve modules back to back for compact dimensions
- High performance
- Optimized flow for 6mm tubes
- Side or bottom mounted manifolds available.

Moduflex Valves System - P2M



p457

- High flow, compact size.
- Mixable valve sizes.
- Stand alone valves, modular islands with individual, multi connector or bus connections.
- Integrated selectable internal or external pilot supply and exhaust.

H Series Industrial Communication



p481

- A complete field bus communication offering for valve islands
- Extremely fast I/O back plane uses change of state connections to maximise performance
- UL, C-UL and CE certifications

Interface - PS1



p506

- High speed poppet valve
- Push-in connection
- Built-in terminal block
- Pneumatic output indicator
- DIN rail mounting

Inline Valves - PVL-B2



p509

- High flow – Compact size with a 18 mm width body
- Push-in fitting diameter 6mm, 8mm or threaded G1/8"
- DIN rail or surface mounting
- Economic clip connector (IP40) or DIN Form C connection (IP65)
- Light weight construction

Compact Valves - PVL



p523

- High flow, compact size
- Push-in or threaded connection
- DIN rail or block mounting
- Light weight construction

Logic Processing



p527

- Complete range of logic processing modules
- Stand alone or stackable and combinable units
- Ultra fast response times
- Visual indication
- DIN rail mounting.

Air Saver Unit



p530

- Large reductions in plant air consumption.
- Savings in plant compressor power consumption.
- Reduction in plant CO₂ emissions.
- Big contribution to energy-saving activities.

Valves

Control & Process Duty - PXB



p535

- Facia mounted operators
- 3/2 NO or NC versions
- Pneumatic valves combinable with electrical switches
- Modular construction
- Wide choice of actuators.

Limit Switches - PXC



p537

- 3/2 Nc spring return as standard
- Ø4mm, M5 & G1/8 ported versions
- Miniature and Compact designs
- Wide choice of actuators include levers, rollers & ultra light whisker types.

Two Hand Control Units - PXP



p538

- Ergonomic design
- Robust polymer or metal enclosure
- Meets requirements for protection against accidental operation and tampering
- Conforms to EN574 and EN954-1 requirements

Microfix Solenoids - P2D



p539

- 12 mm solenoids sub-base mounting type
- Instant push-in fittings for inlet (Ø 8 mm) and outlets (Ø 4 mm)
- Brass silencer
- Quick response time
- Multi-functional manual override

Flat Slide Valves - DRS



p567

- Rotary lever
- Rotary switch

Stop Valves - ARKV



p571

- Pneumatic 2 way valve
- Poppet valve normally closed
- Mounting - Direct piping

3/2 Way Valves - K9



p573

- Rotary lever, indexed
- Rotary lever, spring return
- Rotary lever, indexed, secured in two positions
- Pushbutton
- Cam operation
- Toggle cam operation
- Plunger operated
- Cam operated, free cam left or free cam right
- Pivoted lever

Directional Control Valves - S9



p579

- Hand lever
- Pneumatic
- Electrical pilot operated
- Electrical pilot operated with external pilot air
- Panel mounting actuators for mounting diameter to DIN 43696

Vacuum Products

Vacuum Pads



- Flat & Bellow Pads
- Male & Female Connections
- Different Materials
- Range of Diameters

Vacuum Ejectors



- Basic Ejectors
- Basic Ejectors with electro-mechanical Switch
- In-line Ejectors
- Integrated Ejectors small & large

Vacuum Sensors



- -1 to +10 bar
- Analog and/or Digital Outputs
- With display

Vacuum Accessories



- High performance silencers and vacuum filters
- Electronic cables with M8 connector 4 pin

Air Preparation & Airline Accessories

Global Air Preparation System



p614

- Space saving integral gauge (P31 size only)
- Manifold style regulators available
- OSHA compliant shut-off valves
- Soft-Start & Quick Dump valves
- Electronic Proportional Regulator

Lite Series Air Preparation System - P3L



p638

- Compact body ported units
- Port size G1/4
- Unique deflector plate ensuring maximum water and particulate removal
- Solid control piston with lip seal for extended life.
- Proportional oil delivery over a wide range of air flows.

Lite Series Air Preparation System - P3S



p640

- Port size G¹/₄ - G³/₈
- Modular air preparation series
- Robust and lightweight zinc body construction
- Rolling diaphragm for extended life
- Soft start valve for slow pressure build up in pneumatic circuits
- Dump valves for quick down stream pressure exhaust

Lite Air Preparation Series - P3X



p645

- Integral 1/2 or 3/4 ports
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Secondary pressure ranges 8 and 16 bar
- Rolling diaphragm for extended life
- Membrane dryers

Modular Membrane Dryers - P3X



p651

- Removes water vapour & lowers the PDP
- Compact design
- No electrical connections necessary
- Suitable for hazardous environments
- No moving parts
- Maintenance & wear free
- No change in air consumption
- Low pressure drop less than 0.1 bar

Air Preparation System - P3Y



p653

- Integral 3/4 or 1" ports (BSPP or NPT)
- High efficiency element as standard
- Excellent water removal efficiency
- Secondary pressure ranges 12 and 16 bar

Air Preparation System - P3Z



p659

- Self relieving feature plus balanced poppet provides quick response and accurate pressure regulation.
- Port flanges G1¹/₂" & 2" to a 2" body.
- Proportional oil delivery over a wide range of air flows.

Global Proportional Technology



p661

- Very fast response times
- Accurate output pressure
- Micro parameter settings
- Selectable I/O parameters
- Quick, full flow exhaust
- LED display indicates output pressure
- No air consumption in steady state
- Multiple mounting options
- Protection to IP65

Air Preparation & Airline Accessories

Precision Pressure Regulators



- High repeatability
- High relief capacity on R220 model
- High flow capacity on R230 model

p696

Prep-Air II® Miniature FRLs



- Compact body ported units.
- Port sizes G¹/₈ and G¹/₄.
- Unique deflector plate ensuring maximum water and particulate removal.
- Solid control piston with lip seal for extended life.
- Proportional oil delivery over a wide range of air flows.

p698

Stainless Steel FRLs



- Suitable for Marine & Offshore applications
- Chemical / Petroleum and process industries
- Coalescing filters are designed for removing oil and water aerosols down to 0.01µ
- Suitable for food industry applications

p700

Compressed Air Filters - P3T



- Tested in accordance with ISO 8573.9
- High liquid removal efficiencies at all flow conditions
- Low pressure losses for low operational costs
- Multiple port sizes for a given flow rate provides increased flexibility during installation

p703

Dry Air System - P3TJ



- Designed in accordance with ASME VIII Div.1, approved to CSA/UL/CRN and fully CE Marked (PED, EMC, LVD) as standard.
- Flexible installation utilising the multiple in-line inlet & outlet connection ports.
- Can be Floor, Bench or Wall/ Canopy mounted.

p711

Pressure Switches



- Suited for intrinsically safe operation
- Especially compact design
- High switching frequency
- Attractive design
- Shock proof up to 30 g

p714

AirGuard Protection System



- Maintenance friendly, Repair possible while plant is still operating.
- Reliable and tamperproof, No adjustment necessary.
- Complies with EU current standard
- Complies with the 2009 ISO4414 (5.4.5.11.1)

p720

Cylinder Controls



- "Push-in" or threaded connection
- Multifunction options
- Fit directly to cylinder ports
- Swivelling pilot banjo
- Pneumatic, Electric or Electronic back pressure sensor

p722

Air Preparation & Airline Accessories

Micrometer Flow Control Valves



p724

- Micrometer type adjustment
- Fine control
- Non-return and needle valves

Heavy Duty Inline Control Valves



p724

- Screw driver adjustment
- Rugged bodies
- High flow rate
- High flow by-pass
- Wide range of sizes

Shuttle Valve & Quick Exhaust Valves



p725

- Increases piston speeds, super sensitive diaphragm.
- May be used as differential shuttle valve.
- Allows two separate signals to be applied to the air pilot.
- 0,6 bar differential, Viton seals as standard.
- Aluminium or polymer bodies

Exhaust Silencers



p727

- All plastic ultra light weight versions
- Sintered metal
- All metal versions for heavy duty applications
- Versions with push-in connections
- High noise level reduction
- Low back pressure generation

Restrictors - Silencers



p728

- Metal, stainless steel or plastic versions
- Screwdriver adjustment
- Simple control of cylinder speeds
- High noise level reduction

Reclassifier - Silencers



p729

- Removes oil mist from exhaust airs
- Efficiently silences exhaust air
- Improves working conditions

Fluid Controls

2/2 / 3/2 - Way Valves for Air



p543

- 1/8", 1/4" & 2" pipe mount and flange version
- Pressure range up to 40 bar
- Normally open and normally closed
- Direct or servo-acting
- Long life expectancy, highest reliability
- Manual override optional
- Excellent response time
- Can be mounted with Lucifer® coil families

3/2 - 5/2 NAMUR Valves



p549

- 1/4" - 1/2" NAMUR interface
- Patented NAMUR conversion plate
- Highflow Qn: 3000 L/min
- Solenoid or pneumatic version
- High resistance aluminium
- ATEX zone 22 certified products
- Fast switching application

Precision Pressure Regulators



p666

- 1/4" - 2" pipe mount
- Lucifer® Programmable EPP4 all parameters fully adjustable through the PC software calys
- Low power consumption (2.2W), energy savings
- High responsiveness and low hysteresis (0.5%)
- Flexible remote display
- Compact design and light
- Easy to use software

Standard, ATEX and IECEx Coils



p561

- Modular concept for dedicated valves
- D / B Terminal Standard
- Various AC / DC voltages
- Various IP65-IP67, 100% ED
- Meet latest international & national codes
- ATEX zone 0, 1, 2, 20, 21, 22 protected ia, ib, dm, d, e, m, me, n

Solenoid Valves for Fluid Control Applications



p543

Fluid control products have been designed to offer customers the ultimate in performance. Every valve is engineered for optimal operation, is constructed with modern machinery that use stringent processes, and provides standard features not necessarily offered in any competitive line. The Fluid Control Series portfolio offers a broad range of 2/2, 3/2 and 5/2 solenoid valves. Sizes range from 1/8" to 3", with Kv as high as 1385 L/min. Pressure capabilities range up to 200 bar; the whole range is available with various seal materials, such as NBR, FKM, EPDM, PTFE, PCTFE, PUR and Ruby. Brass, Aluminium, Stainless steel and Plastic Valves are available to control a wide variety of air, neutral gases and liquids, water, oils, process fluids and steam.

For further information see: www.parker.com/fcde

CONNECTIC Solutions for Compressed Air

Legris LF3000 Push-in Fittings



- Brass / polymer fittings for standard applications.
- Instant connection/disconnection.
- Full flow, automatic sealing.
- Vacuum capability.
- Compact & aesthetic, lightweight.
- Very extensive range.
- -20°C to 80°C, maximum 20 bar (depending on fitting type and OD).

p732

Legris Function Fittings



- Flow control regulators, blocking fittings, mini-ball valves, non-return valves, silencers...
- Used on pneumatic devices in many industrial applications: factory automation, packaging, multi-purpose robots, material handling, textile, printing, auto process, machine tools.
- 0°C to 70°C, from 1 to 10 bars (depending on fitting type).

p739

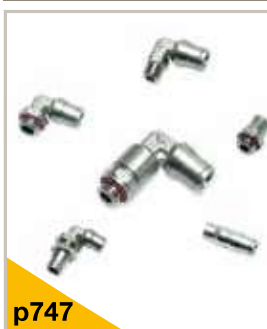
Legris Universal Compression Fittings



- Brass or stainless steel (316L).
- Withstand high temperatures and pressures (max. 80 bars, 250°C).
- Resistant to aggressive and corrosive environments.
- A large range for many applications.
- Many accessories.

p746

Legris LF3600 Push-in Fittings



- Nickel-plated brass instant fittings for demanding applications.
- For air and fluid transportation.
- FDA, 1935/2004/CE.
- -20°C to 150°C at 30 bars.
- Wide range.
- Compact & robust design.

p747

Legris LF3900/3800 Push-in Fittings



- Stainless steel 316L fittings for severe conditions.
- Hygienic design.
- Extreme chemical and mechanical resistance.
- Fittings suitable for permanent food contact (FKM seals in accordance with FDA and 1935/2004/CE directives).
- Wide range: 21 shapes, diameters 4 to 12 mm.

p753

Legris Tubing



- Standard tubing made of PA, PU, FEP 140, and PE.
- PA and PU hoses in 7 colours.
- Multi, twin and spiral; anti-spark, anti-static.
- 25 or 100 m rolls in Tubepack® box.
- Large pack on drum.
- Hoses made of braided PVC.
- Self-fastening hoses.

p756

Safety Couplers / Blowguns / Accessories



- Couplers:**
- Comply with ISO 4414 and EN983 safety standards 0 - 16 bar, -20°C to 60°C.
- Blowguns:**
- Two connection points. Comply with OSHA and EU regulation for safe use. Up to 10 bar, -15°C to +60°C.
- Accessories:**
- Full nickel-plated range.

p764

Legris Ball Valves / Axial Valves



- Nickel-plated brass.
- Optimum sealing & excellent resistance.
- -20°C to 80°C, 20 to 40 bar (depending on the model).

p770

Quick connect couplings

Industrial Interchange couplings



p773

- Single handed operation
- Nominal diameter 5 to 11 mm
- Conforms to various profiles (European standard, MIL, etc.)
- Working pressure up to 35 bar
- Low pressure drop
- Temp. range -40°C up to 200°C
- Choice of material: steel/brass/stainless steel/thermoplastics
- Variety of different threads available on request

Safety couplings



p785

- Operated with two hands
- Conforms to ISO 4414
- Increased safety in the work place
- Working pressure up to 12 bar
- Low pressure drop
- Temp. range -40°C up to 80°C
- The design allows disconnection without rebound

For further information see: www.rectus.de