

INSTRUMENT HOOK-UP SOLUTIONS



HANLEY CONTROLS

CLONMEL

www.hccl.ie

Hanley Controls Clonmel Ltd.
Gortnafleur, Clonmel, Co. Tipperary, Ireland
Tel: + 353 52 6122722,

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AIRLINE / TECHNICAL TUBING



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ADVANCED POLYETHYLENE (PE)



Features

UV stabilised, Indoor & Outdoor use, Silicon free
FDA approval 21CFR 177.1520

Materials

LDPE, 50% reticulated PE, food grade

Temp

-40°C to +95° C

Sizes

4mm to 14mm

Also available with outer sheath

SEMI-RIGID PA (NYLON)



Features

Indoor & Outdoor use, black (only) is UV stabilised
Silicon free

Materials

Bio based PA (68 Shore D)

Temp

-40°C to +100° C

Sizes:

3mm to 16mm

Also available with outer sheath

ANTI-SPARK PU (Polyurethane)



Features

Generally Indoor applications, Silicon free, Fireproof
to UL94 V-0, (previously known as **Prestoweld**)

Materials

Single layer PU ether

Temp

-20°C to +70°C

Sizes:

4mm to 14mm

Also available with outer sheath

PU ESTER/ETHER (Polyurethane)



Features

Excellent flexibility, UV resistant, Ether no water
absorption. FDA approved food grade crystal ether

Materials

PU ether, PU ester

Temp

-20°C to +70°C

Sizes:

4mm to 14mm

This is just a selection of our various technical tubes. Other materials and colours available including:

- * **PFA** - Wide Temp Range, FDA compliant, Flame Resistant, Mechanical Strength, Good Chemical Resistance
- * **PTFE** - Outstanding low friction properties; Wide temp range, FDA compliant, UV resistant
- * **FEP** - Optical clarity, Wide temp range, FDA compliant, Smooth intl surface, Excellent chemicals resistance
- * **PVDF (Kynar)** - Chemically inert to most acids, Abrasion resistant, Suited to high pressure applications
- * **Antistatic PU** - Low resistivity, Suitable for ATEX areas, UV resistant, Silicon free
- * **PA Multitubes** - PA multitubes covered in PVC sheath. 2, 4, 7, & 12 tubes. 10, 25, & 50m coils

PNEUMATIC FITTINGS



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Model	Suitable Fluids	Work Press.*	Work Temp	MALE STUD	STUD ELBOW	BULKHEAD	TEE
Legris LF3000 Brass with Polymer collet	Compressed Air	Vacuum to 20 Bar	-20/+80				
Legris LF3600 All Brass	Compressed Air, Grease, Lubricants, Water	Vacuum to 30 Bar	-20/+150				
Legris LF3800 SS316L body with 303 collet	All fluids compatible with material	Vacuum to 30 Bar	-20/+150				
Legris LF3900 SS316L body with 316 collet	All fluids compatible with material	Vacuum to 30 Bar	-20/+150				
Legris Liquifit Bio Sourced Polymer (FDA approved)	Water, Beverages, Inert CO2, Chemicals	Vacuum to 16 Bar	-10/+95				
Legris Cleanfit Biopolymer fittings for Life Sciences	Clean air, breathing and medical fluids**	Vacuum to 15 Bar	-10/+95				
Legris PL Nickel Brass (nut & spigot)	Compressed Air. Selected other fluids	Vacuum to 40 Bar	-40/+100				
Parker ALOK twin ferrule SS / Brass / Exotics	All fluids compatible with material	Vacuum to 400 Bar	-20/+650				

* Dependant on tube and operating conditions

** Individually cleaned and bagged

None	X
Test Cert	T
P32 Reg 1/2" w/gauge	R
P32 Filter Reg 1/2" w/gauge	F
Inlet Ball Valve 1/2"	V
P33 Reg 3/4" w/gauge	L
P33 Filter Reg 3/4" w/gauge	M
Inlet Ball Valve 3/4"	N
Special Order	S

INSTRUMENT AIR MANIFOLDS

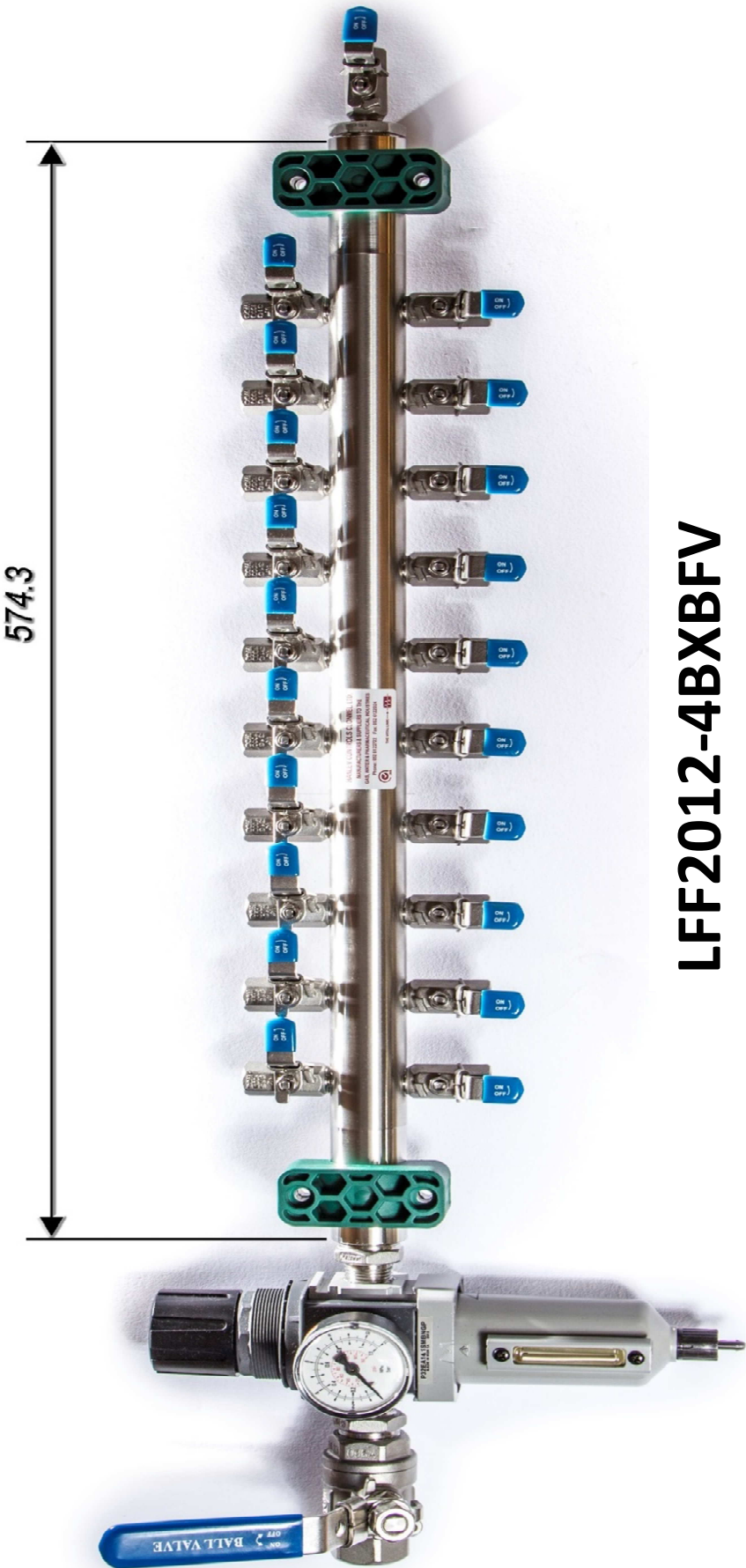
20 way manifold with Filter Reg & Isolating Valve



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LFF2012-4BxBFV

Pneumatic Fittings Options



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COMPRESSION

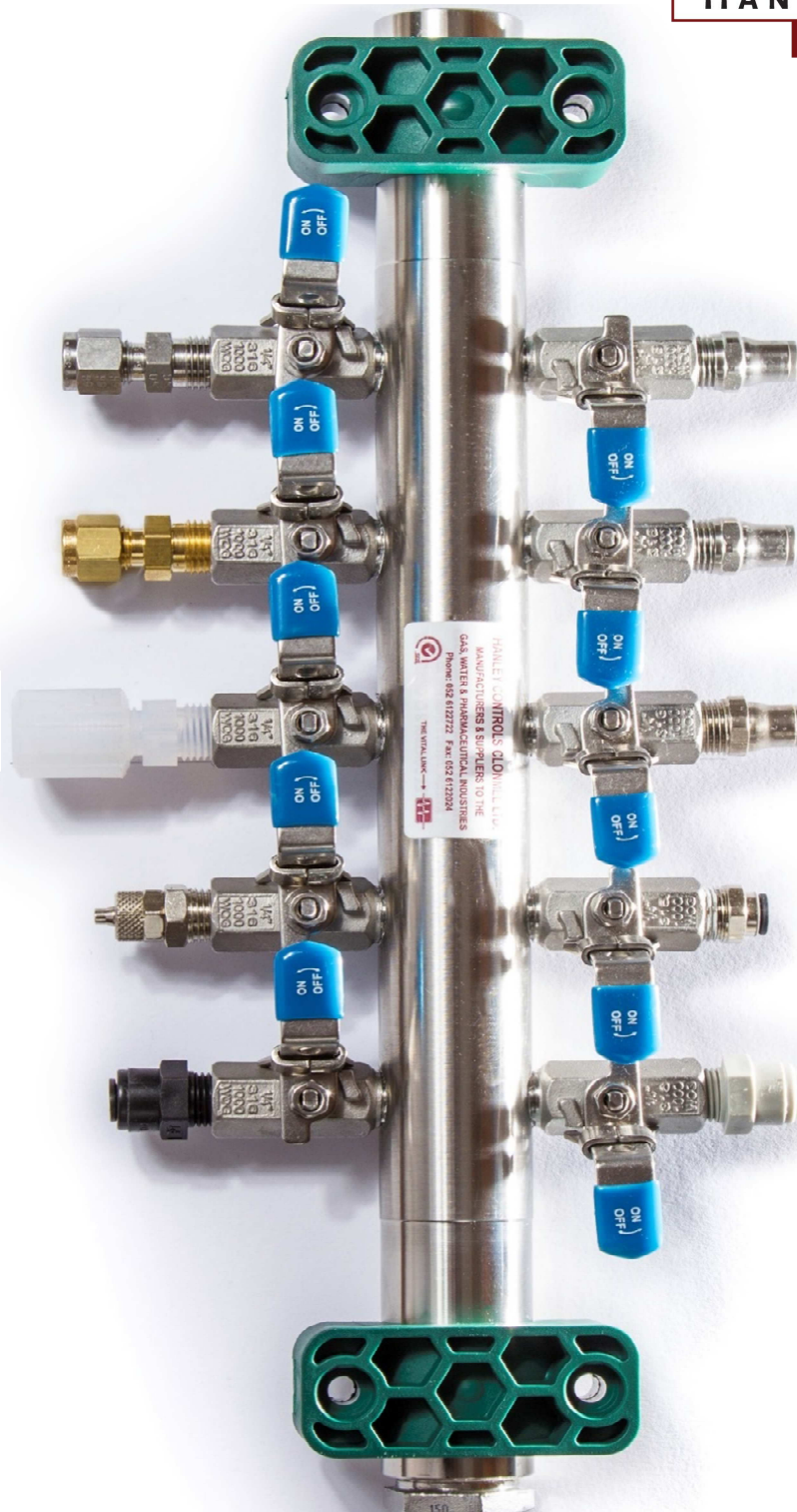
Alok
SS316

Alok
Brass

Partek
PFA

Nut & Spigot (PL)
Nickel Brass Brass

Cleanfit
Polymer



PUSH-IN

LF3800
SS316/304

LF3900
SS316

LF3600
Nickel Brass

LF3000
Nickel
Brass/Polymer

Liquifit
Polymer

Why not order your manifold with airline fittings pre-fitted at our workshop?

- 100% tested and leak free leaving our workshop in Clonmel
- Labour saving on site
- Potential for on-site errors is minimised

PARKER SMALL BORE TRAINING

For Instrumentation Fitters, Technicians, & Maintenance Personnel



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Contact

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noel.walsh@hccl.ie



Enroll your Instrumentation Fitters, Technicians, & Maintenance Personnel on the Parker **SBEx** Training Programme to give them the hands-on training they need to help your organisation save time, reduce overheads and increase safety, both during and after installation

Course Goals

- Increasing understanding of small bore tubing systems and components
- Improving small bore tubing systems safety
- Enhancing small bore tubing systems integrity
- Reducing potential losses
- Augmenting skills and confidence whilst working on small bore tubing systems

SBEx Course Content

- What are SBT systems?
- Typical Applications
- Tubing Types
- Tube Connecting Technologies
- Pipe Connecting Technologies
- Tube Fitting Installation
- Special Connections
- Pipe Fitting Installation
- Tubing Installation
- Inventory Management
- Safety at Work

A-LOK® Tube Fittings



This training programme not only explains in detail the correct assembly procedure, but also covers the following criteria:

- Technical features of the product and why they are important
- The principle of the fitting and how it works
- Tube selection and preparation
- Typical installation problems and causes
- Identification of different makes
- Practical demonstrations and test



Training available on site or at our office in Clonmel

The SBEx training programme is generally in accordance with the UK Oil & Gas Operators Association (UKOOA) Guide for the management, design, installation of small bore tubing systems – EN directive number 0852932758.

- NOTES
- A. MANIFOLD TO BE SUPPLIED C/W ALL SS LF3800 PARKER LEGRIS 6MM X 1/4" NPT PUSH IN TYPE FITTING (3805 06 14) (INCLUDED IN ITEM 1)

B. MANIFOLD TO BE SUPPLIED C/W PP GREEN CLAMPS WITH SS PLATES & BOLTS (INCLUDED IN ITEM 1)

C. MANIFOLD TO BE ETCHED WITH HANLEY MODEL NO. AND SERIAL NO.

D. MANIFOLD TO BE SUPPLIED WITH TEST CERT (INCLUDED IN ITEM 1)

E. SPARE CONNECTIONS CAN BE FITTED WITH PARKER LEGRIS 6MM BLANK PLUGS WHEN NOT IN-USE (3126 06 00)

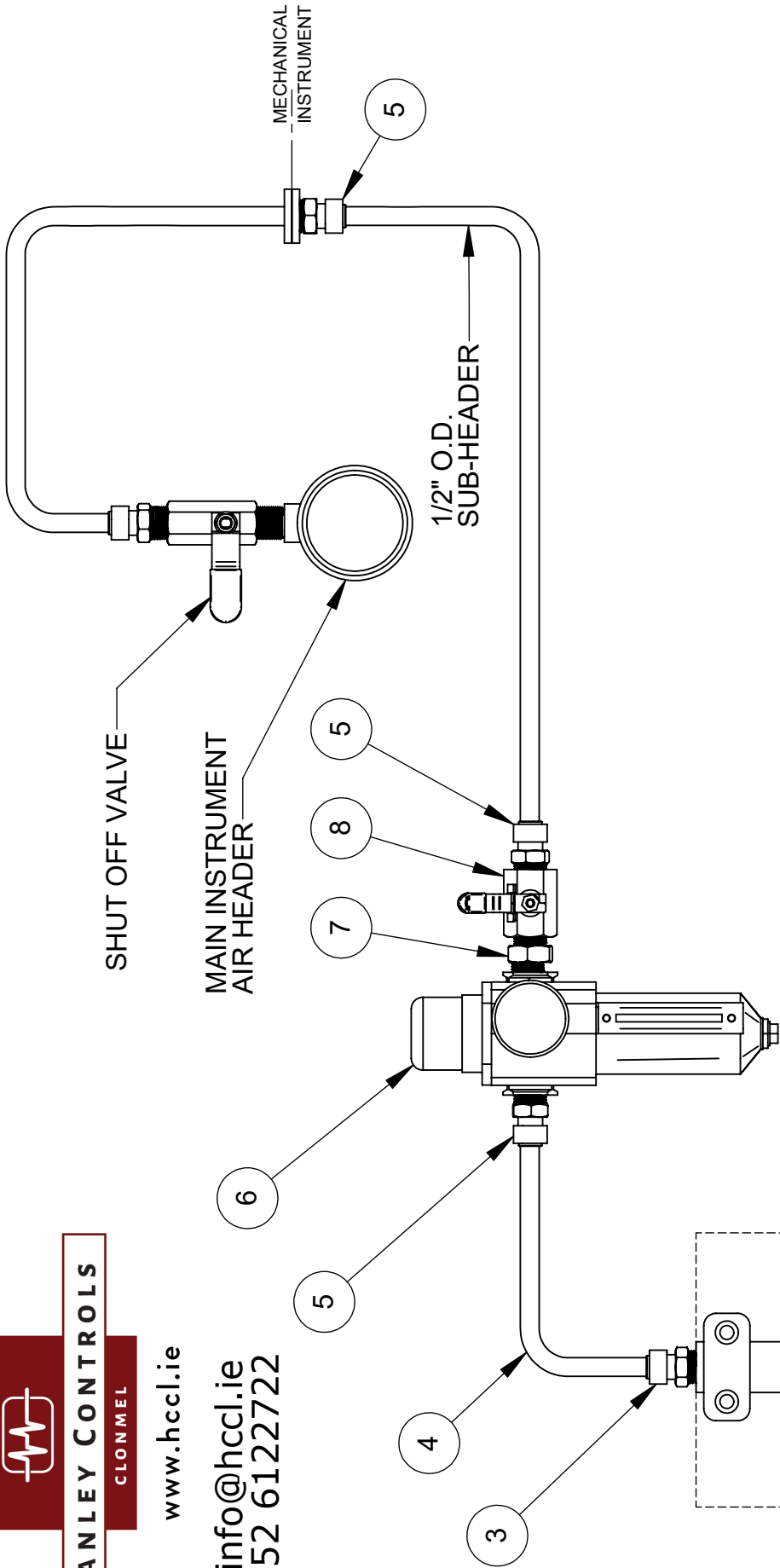
F. INDIVIDUAL OUTLET VALVES ARE LOCKABLE

G. CONSULT END USER REGARDING LOCATION AND TAGGING OF MANIFOLD

H. MANIFOLD DRAIN VALVE. NOT TO BE USED FOR AIR SUPPLY. (PLUG IF REQUIRED) - SEE ITEM 2

I. FINAL ASSEMBLY OF ITEMS 2 - 8 TO BE COMPLETED BY THE E&I CONTRACTOR ON SITE.

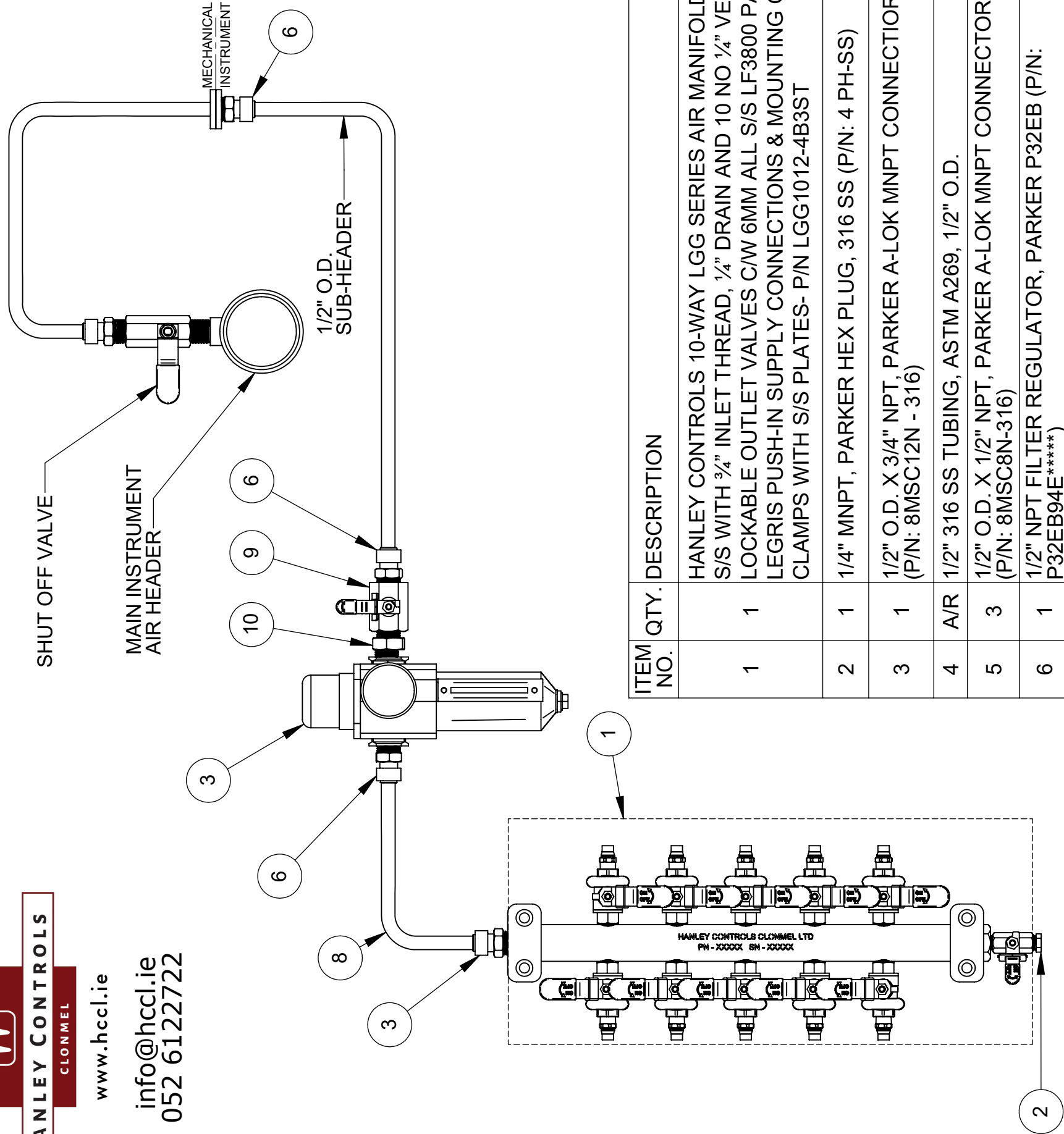
J. REFER TO THE HANLEY MANIFOLD ORDERING GUIDE FOR MANIFOLD P/N BREAKDOWN AND OPTIONS



ITEM NO.	QTY.	DESCRIPTION
1	1	HANLEY CONTROLS 10-WAY LFF SERIES AIR MANIFOLD, 316 S/S WITH 3/4" INLET THREAD, 1/4" DRAIN AND 10 NO 1/4" LOCKABLE OUTLET VALVES C/W 6MM ALL S/S LF3800 PARKER LEGRIS PUSH-IN SUPPLY CONNECTIONS & MOUNTING GREEN CLAMPS WITH S/S PLATES- P/N LF1012-4B3ST
2	1	1/4" MNPT, PARKER HEX PLUG, 316 SS (P/N: 4 PH-SS)
3	1	1/2" O.D. X 3/4" NPT, PARKER A-LOK MNPT CONNECTIOR 316 SS (P/N: 8MSC12N - 316)
4	A/R	1/2" 316 SS TUBING, ASTM A269, 1/2" O.D.
5	3	1/2" O.D. X 1/2" NPT, PARKER A-LOK MNPT CONNECTOR, 316 SS (P/N: 8MSC8N-316)
6	1	1/2" NPT FILTER REGULATOR, PARKER P32EB (P/N: P32EB94E*****)
7	2	1/2" MNPT, PARKER A-LOK HEX NIPPLE, 316 SS (P/N: 8-8MHN-SS)
8	1	1/2" NPT HANLEY FEMALE ISOLATING BALL VALVE, LOCKABLE, 316 SS (P/N: 1/2NPT20-10)

NOTES

- A. MANIFOLD TO BE SUPPLIED C/W ALL SS LF3800 PARKER LEGRIS 6MM X 1/4" NPT PUSH IN TYPE FITTING (3805 06 14) (INCLUDED IN ITEM 1).
- B. MANIFOLD TO BE SUPPLIED C/W PP GREEN CLAMPS WITH SS PLATES & BOLTS (INCLUDED IN ITEM 1).
- C. MANIFOLD TO BE ETCHED WITH HANLEY MODEL NO. AND SERIAL NO.
- D. MANIFOLD TO BE SUPPLIED WITH TEST CERT (INCLUDED IN ITEM 1).
- E. SPARE CONNECTIONS CAN BE FITTED WITH PARKER LEGRIS 6MM BLANK PLUGS WHEN NOT IN-USE (3126 06 00).
- F. INDIVIDUAL OUTLET VALVES ARE LOCKABLE AND VENT AIR ON INSTRUMENT SIDE WHEN CLOSED.
- G. CONSULT END USER REGARDING LOCATION AND TAGGING OF MANIFOLD.
- H. MANIFOLD DRAIN VALVE. NOT TO BE USED FOR AIR SUPPLY. (PLUG IF REQUIRED) - SEE ITEM 2.
- I. FINAL ASSEMBLY OF ITEMS 2 - 8 TO BE COMPLETED BY THE E&I CONTRACTOR ON SITE.
- J. REFER TO THE HANLEY MANIFOLD ORDERING GUIDE FOR MANIFOLD P/N BREAKDOWN AND OPTIONS.



ITEM NO.	QTY.	DESCRIPTION
1	1	HANLEY CONTROLS 10-WAY LGG SERIES AIR MANIFOLD, 316 S/S WITH 3/4" INLET THREAD, 1/4" DRAIN AND 10 NO 1/4" VENTED LOCKABLE OUTLET VALVES C/W 6MM ALL S/S LF3800 PARKER LEGRIS PUSH-IN SUPPLY CONNECTIONS & MOUNTING GREEN CLAMPS WITH S/S PLATES- P/N LGG1012-4B3ST
2	1	1/4" MNPT, PARKER HEX PLUG, 316 SS (P/N: 4 PH-SS)
3	1	1/2" O.D. X 3/4" NPT, PARKER A-LOK MNPT CONNECTOR 316 SS (P/N: 8MSC12N - 316)
4	A/R	1/2" 316 SS TUBING, ASTM A269, 1/2" O.D.
5	3	1/2" O.D. X 1/2" NPT, PARKER A-LOK MNPT CONNECTOR, 316 SS (P/N: 8MSC8N-316)
6	1	1/2" NPT FILTER REGULATOR, PARKER P32EB (P/N: P32EB94E*****)
7	2	1/2" MNPT, PARKER A-LOK HEX NIPPLE, 316 SS (P/N: 8-8MHN-SS)
8	1	1/2" NPT HANLEY FEMALE ISOLATING BALL VALVE, LOCKABLE, 316 SS (P/N: 1/2NPT20-10)

AIR FILTER / REGULATORS



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We offer a comprehensive range of Parker Air Preparation equipment in 1/4" to 2" sizes, and in a wide range of materials and flow rates to meet your requirements

P31 MINI SERIES

40mm body width

1/4" ported

- * Filter
- * Coalescer
- * Regulator
- * Filter Reg
- * Lubricator



P3Y SERIES

90mm body width

3/4" & 1" ported

- * Filter
- * Coalescer
- * Regulator
- * Filter Reg
- * Lubricator



P32 COMPACT SERIES

60mm body width

1/4", 3/8", & 1/2" ported

- * Filter
- * Coalescer
- * Regulator
- * Filter Reg
- * Lubricator



P3Z SERIES - ALL METAL

For Ring Main System

1 1/2" & 2" ported/flange

- * Filter
- * Coalescer
- * Regulator
- * Lubricator



P3X MODUFLEX*

62mm body width

1/2 & 3/4" ported

- * Filter
- * Coalescer
- * Regulator
- * Filter Reg
- * Lubricator

* **Full plastic construction**



STAINLESS STEEL

1/4" & 1/2" ported

- * Filter
- * Coalescer
- * Regulator
- * Filter Reg
- * Lubricator



Full range of accessories available including:

- * Mounting Brackets
- * Soft Start Valves
- * Slide / Isolating / Dump Valves for Inlet

NAMUR SOLENOID VALVES



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Parker offers a full range of valves for Pneumatic Actuator Control. The interface design conforms to the NAMUR standard and to the VDI/VDE 3845 of the actuator industry enabling a compact actuator/valve assembly.

In the case of 3/2 function, the air of the actuator spring chamber also flows through the pilot valve (re-breather function) preventing corrosion of the actuator springs.

Solenoid Operated 5/2, combined spring & air return

FEATURES & BENEFITS

High Flow: 1250 l/min (1/4"),
3000 l/min (1/2")

Compact design

Long Life expectancy

N3x & P3x Series compatible with any Parker Lucifer coil (ATEX or not) of electrical group 2 (8/9w coils)

Fail safe standard

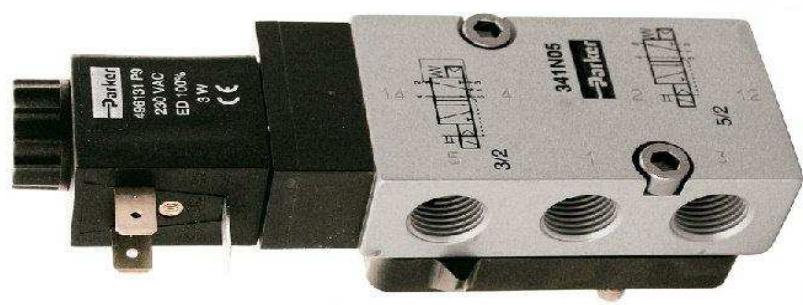
Reduced inventory (3/2 & 5/2 functions with the same valve body on 341Nx5 Series)

Mechanical part of the valve ATEX certified according to EN 13463-1 & -5

Manual Override as standard

Aluminium bodies with SS internals and NBR seals

Fluid temp 0°C to +50°C



MOUNTING

Nxx Series: For direct mounting on NAMUR interface 1/4" & 1/2"

Pxx Series: Piped Valves 1/4" & 1/2"

Bxx Series: Equipped with a banjo bolt G1/8" or G1/4"



MODUFLEX VALVE SYSTEM



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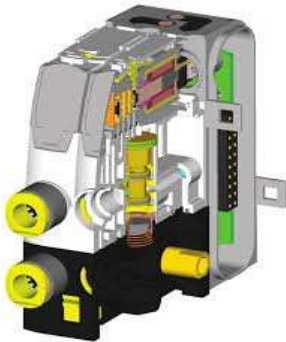
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The Moduflex Valve System redefines flexibility for pneumatic users. Whether configured from basic components or ordered as a pre-assembled and tested valve manifold. Moduflex flexibility is unmatched in the market place

No other system can be adapted so simply; unique captive fitting release system, quick release electrical connectors and single mechanical screw connection between manifolds offers the ultimate capability for system

Dual 4/2 Valve



MODUFLEX VALVE TECHNOLOGY

Two technology platforms enable the compact design and high performance of the Moduflex Valve System

The compact dual 4/2 & 3/2 valves utilize well proven Parker seal technology. The standard 4/2 valves adopt the long life super durable ceramic switching technology

Vacuum generator

Dual flow control module

Dual pilot operated check valve module

Pressure regulation module



Ports

Size 1: 4 & 6mm push-in

Size 2: 6, 8, 10, & 12mm push-in

Mountings

S Series: Individual subbase

T Series: Manifold Mount with individual connectors

V Series: Manifold mount with collective wiring or fieldbus

Fieldbus Options

DeviceNet

Profibus

CANopen

AS-i

Interbus-S

ISYS MICRO VALVE ISLAND



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The Isys Micro range is fully dedicated to centralized applications where a high quantity of valves have to be concentrated in a single location.

Solenoid valve island can be configured with digital or analogue electrical input.

Suitable for high complexity level applications to basic configurations with industrial communication or traditional multi-connection

Side Ported Manifold Design



FEATURES

Up to 8 pneumatic functions on a 42mm width metal base

4 valve modules back to back for compact dimensions

High Performance

Optimised flow for 6mm tubes

Side or bottom mounted manifolds

Plug-in valve

Electrical connection on subbase

Multifunction manual override caps

Caps for locking or condemned manual override

Back to back design

Up to 8 pneumatic functions in 42mm width

WCS metal spool

Wear Compensating System for 50 million cycles

Metal sub-base

Aluminium Die cast for maximum rigidity

Internal connection

Up to 32 solenoids

Auxiliary channels

Independent pilot pressure and exhausts

M7 thread

For 4 or 6 mm tube fitting

4 valves Side or Bottom ported sub-base

Up to 4 pneumatic modules

INDUSTRIAL VALVES



www.hccl.ie

Clonmel, Co. Tipperary, Ireland

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We stock a wide range of sizes and materials

- * Brass / Bronze
- * SS
- * CS
- * Exotics
- * Plastics: PVC-U, PVC-C, ABS, PP, PVDF, PFA



Apollo 82-200 Bronze Solder Valve

Three Piece, Full Port Ball Valve. Adjustable packing gland, Blow-out proof stem design, Reinforced seats, In-line repairable, 150 PSI



Topline TEF4 Full Flow Ball Valve

PTFE cavity fillers are precision machined to maintain sanitary environment. 360 deg installation, easy in-line servicing allows valve ends to remain attached whilst servicing valve. USDA approved, ISO 5211 Mounting Pad



DN10/15 - 50

GF Type 546

Available in PVC-U, PVC-C, ABS, PP-H, & PVDF, it is the ideal valve for use in highly complex chemical process or standard water applications. Its modular design makes it easy to handle. Flexibility, universal automation options and maximum process reliability



Parker Two-Way B Series Ball Valve

Parker manually, pneumatically, & electrically actuated two-way B Series Ball Valves provide quick 1/4 turn on/off control of fluids utilized in process and instrumentation applications. A broad selection of valve body, seat, & seal materials provide a wide range of pressures & temperatures at which the valve may be used

TRANSAIR PIPE SYSTEM



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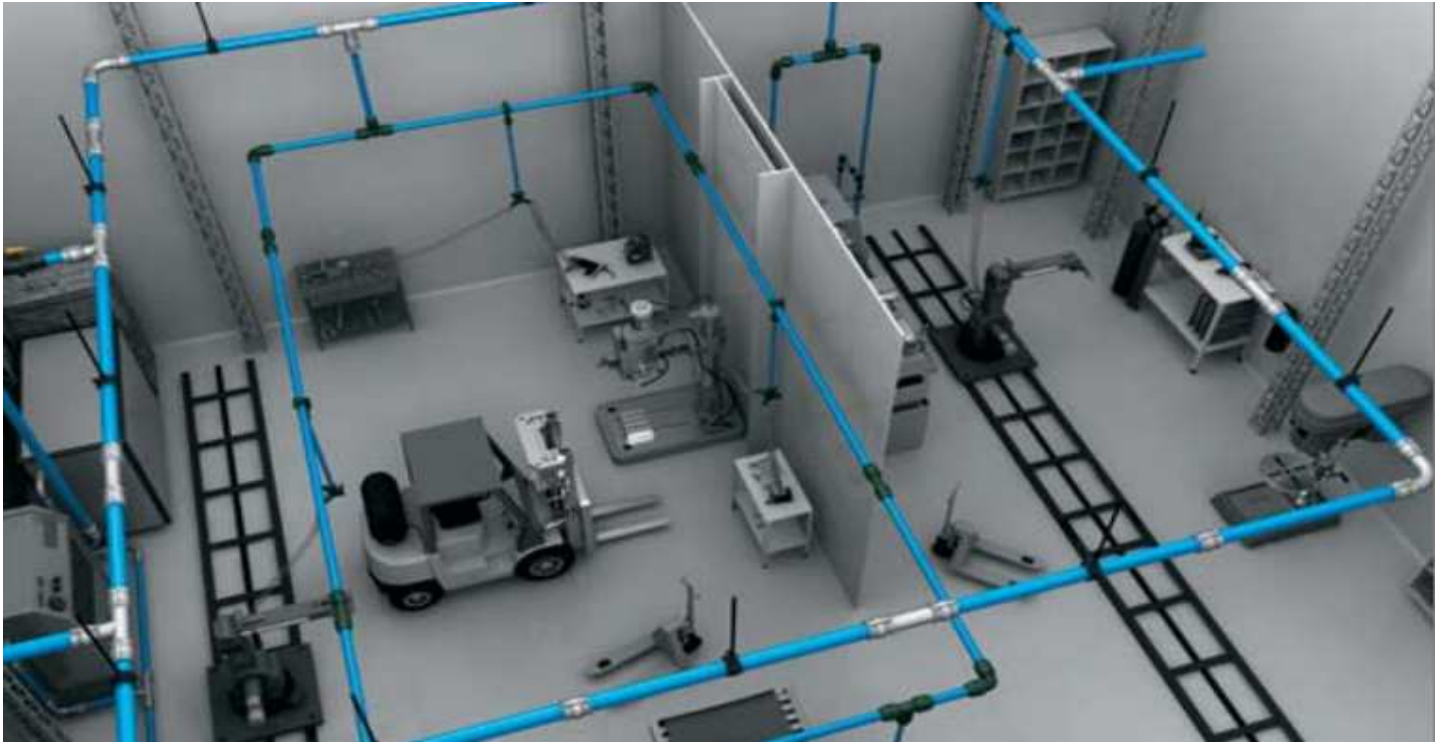
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The *original* and market leading modular piping system for compressed air, inert gas and vacuum. Offers optimum flow rates and flexibility with a full range of accessories. Manufactured to the highest quality standards in France



FEATURES & BENEFITS

High quality aluminium & SS pipe range. Low friction internal surface ensures optimal flow rates

Leak free connections (Push-in up to 40mm)

Modular and extremely adaptable

Colour coded - Blue, Green Grey as standard. Others on request

Up to 16 bar working pressure

Full range of fittings and accessories

Suitable for aggressive environments

Available Pipe Sizes



ACCESSORIES

- * Parker Legris Function Fittings
- * Parker Pneumatic & Electric 3/2 Valves
- * Parker ISO Cylinders
- * Parker Rectus Quick Couplers
- * Parker Ball / Plug / Needle Valves



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Parker Rectus Quick Couplers



Legris Safety Blow Gun & Recoil Hose



Parker Instrument Valves



Legris Function Fittings



Parker ISO Pneumatic Cylinders



Legris Silencers



Parker Pneumatic & Electric Valves



Parker PXB Series Switches / Push Buttons

VIKING ~~X~~ **TREME**

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Parker
RECTUS

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legris