

Industrial Automation

IMI Norgren

Function Fittings & Valves



Breakthrough
engineering for
a better world

Product Overview

Our comprehensive selection of function fittings and valves offers designers a wide range of easy-to-integrate options to enhance pneumatic system design and performance.

This product overview is categorised by fitting and valve functional design to highlight the full range of available options. It provides model and part number details for all IMI Norgren function fittings alongside summarised technical information.

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Exhaust Flow Regulator/Silencer

T20

Exhaust Flow Regulator/Silencers

- Port size: M5, G1/8 ... G1/2
- Compact design
- Captive regulating needle will not blow out when unscrewed



Technical data, standard models

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port size	Flow factor C *1)	Cv	Kv *2)	Weight (kg)	Model
	1 ... 10 bar (14 ... 145 psi)	-20 ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body and washer: PA Silencer: Porous PUR Adjusting screw: high tensile zinc plated steel M5: Body: PA Adjusting screw: high tensile zinc plated steel	M5	0,3	0,07	0,054	0,001	T20M0500
				G1/8A	1,6	0,4	0,34	0,003	T20C1800
				G1/4A	3,2	0,8	0,68	0,007	T20C2800
				G3/8A	6,9	1,7	1,47	0,020	T20C3800
				G1/2A	10	2,4	2,13	0,040	T20C4800

*1) Measured in $\text{dm}^3/(\text{s} \cdot \text{bar})$ *2) Measured in m^3/h

Block Form Flow Regulator

T1100

Block Form Flow Regulators (Bi-Directional)

- Port size: G1/8, G1/4 & G1/2
- Compact size (low weight) in-line units
- High flow performance
- Suitable for panel and wall mounting
- Adjustment can be locked
- Captive regulator needle will not blow out when unscrewed
- Adjusting knob position line
- Metered in both directions



Technical data, standard models

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port size	Maximum regulated flow factor			Operating pressure (bar)	Weight (kg)	Model
					C *1)	Cv	Kv *2)			
	0 ... 10 bar (0 ... 145 psi)	-20 ... +80°C (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: aluminium alloy (painted) Seals: low nitrile Internal parts: brass External parts: aluminium alloy (anodised) Needle: brass (nickel plated)	G1/8	0,57	0,14	0,12	0 ... 10	0,031	T1100C1800
				G1/4	1,3	0,32	0,28	0 ... 10	0,056	T1100C2800
				G1/2	7,5	1,84	1,6	0 ... 10	0,180	T1100C4800

*1) Measured in m³/(s. bar)

*2) Measured in m³/h

Block Form Flow Regulator

T1000

Block Form Flow Regulators (Uni Directional)

- Port size:
M5, G1/8 ... G1/2
- Compact size/low weight/ in-line units
- High flow performance
- Suitable for panel and wall mounting
- Adjustment can be locked
- Captive regulator needle will not blow out when unscrewed
- Adjusting knob position line



Technical data, standard models

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port size	Maximum regulated flow factor			Free flow factor			Opening pressure (bar)	Weight (kg)	Model
					C *1)	Cv	Kv *2)	C *1)	Cv	Kv *2)			
	1 ... 10 bar (14 ... 145 psi) 0,3 ... 10 bar (4 ... 145 psi) for M5	-20 ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: Aluminium alloy Needle & internal parts: Brass External parts: Aluminium alloy Seals: NBR	M5	0,28	0,07	0,06	0,28	0,07	0,06	0,3	0,020	T1000M0500
				G1/8	0,57	0,14	0,12	1,50	0,37	0,32	< 0,1	0,031	T1000C1800
				G1/4	1,30	0,32	0,28	2,80	0,69	0,6	< 0,1	0,056	T1000C2800
				G3/8	4,80	1,17	1,62	6,70	1,64	1,43	< 0,1	0,150	T1000C3800
				G1/2	7,50	1,84	1,6	8,30	2,00	1,77	< 0,1	0,180	T1000C4800

*1) Measured in dm³/(s.bar)*2) Measured in m³/h

Heavy Duty Flow Regulator

M/800

Heavy Duty Flow Regulators, Uni-Directional

- Port size: G1/8 ... G1
- Line mounted general purpose regulators
- Captive regulating needle will not blow out when unscrewed
- Calibrated adjusting knob, can be locked
- Suitable for wall mounting
- High operating pressure



Technical data, standard models

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port size	Max. regulated flow factor			Free flow factor			Metered/ free flow at 6 - 5 bar	Weight (kg)	Spare kit	Model
					C *1)	Cv	Kv *2)	C *1)	Cv	Kv *2)				
	0,3 ... 16 bar (4 ... 232 psi)	-20 ... +80°C max. (-4 ... 176°F) (alternative models to 150°C (+302°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C. (+35°F)	/836, /837, /839 Body, adjusting knob and locking ring: brass Seals: NBR /840, /855 Body, adjusting knob and locking ring: aluminium Seals: NBR	G 1/8	0,7	0,17	0,15	2,1	0,6	0,45	170/ 509	0,10	QS/520/00	S/836
				G 1/4	2	0,49	0,43	4,3	1	0,92	486/ 1040	0,15	QS/521/00	M/837
				G 1/2	12	2,9	2,56	17	4,1	3,62	2894/ 4002	0,60	QS/522/00	M/839
				G 3/4	18	4,4	3,83	38	9,3	8,09	5330/ 9146	1,20	QS/523/00	M/840
				G 1	36	8,8	7,67	45	11	9,60	8671/ 10853	3,50	QS/524/00	M/855

*1) Measured in dm³/(s.bar)

*2) Measured in m³/h

Push-In-Fittings

Pneufit® E Series

Push-In Fittings and Flow Controls
for Electric Vehicle Battery Plants

- Zinc and Copper free
- Metric tube sizes Ø4 ... 12mm
- Port sizes ISO G 1/8 ... 1/2 and metric M5
- Easy to install and remove the tubes by pushing them in with one movement
- Screw threads with O-ring sealing
- Applications up to 20 bar and 80°C
- The compact design makes it easy to mount in a small area.



Operating positive pressure	Operating negative pressure	Thread sizes	Operating temperature range	Tube sizes	Standards	Tube materials	Clean / Dry Room class	Materials
20 bar max.	-29.5 in Hg / -750mm Hg (-750Torr)	ISO G 1/8 ... 1/2 and metric M5	- 20 ... 80°C	Ø4 ... 12mm	Conforms to BS ISO 14743 Push-In connectors for thermoplastic tubes	Nylon PA11 or PA12 Polyurethane 85, 95 or 98 durometer	Class 4 to ISO 14644-1 -40°C dew point (<0.5% RH)	Body case: Polyamide - PA66 Body thread: Stainless steel - SUS303 Sealing: NBR Back ring: POM Collet/release sleeve: Polyamide - PA66 Grab ring/claw: Stainless steel Flow control needle: Stainless steel - SUS303 Flow control handle: Stainless steel - SUS303

Elbow flow control EOK51



Symbol	Ø	Thread Size	Weight (g)	Pack size	Model
	4	M5	16	10	EOK510405
	4	G1/8	20	10	EOK510418
	4	G1/4	36	10	EOK510428
	6	M5	17	10	EOK510605
	6	G1/8	21	10	EOK510618
	6	G1/4	37	10	EOK510628
	6	G3/8	70	5	EOK510638
	8	G1/8	22	10	EOK510818
	8	G1/4	38	10	EOK510828
	8	G3/8	71	5	EOK510838
	10	G3/8	73	5	EOK511038
	10	G1/2	110	5	EOK511048
	12	G3/8	75	5	EOK511238
	12	G1/2	113	5	EOK511248

In-line flow control E00GE



Symbol	Ø	Weight (g)	Pack size	Model
	4	13	10	E00GE0400
	6	28	10	E00GE0600
	8	45	5	E00GE0800
	10	84	5	E00GE1000
	12	123	3	E00GE1200

Pneufit® D

Acetal (POM) Push-In Fittings, Metric



- Tube size:
Ø4 ... 12 mm O/D tube
- ISO G, ISO R and UNF threads
- Developed for potable water, beverages, drinks dispense and compressed air applications
- FDA approved material ensuring safety, certified to NSF 51, 61
- Compliant with Food Contact Materials - Regulation (EC) 1935/2004
- Quick one touch connection and disconnection without need of tools
- Food grade EPDM sealing
- Optional locking clip



Operating pressure	Thread sizes	Operating temperature	Tube sizes	Standards	Tube materials	Materials
Nominal range: vacuum to 16 bar, dependant on temperature and tube size, see table below for details	1/8", 1/4", 3/8", 1/2" ISO G, ISO R, UNF	Nominal range: 0 to +60°C dependant on pressure and tube size see table below for details	4, 6, 8, 10, 12mm	Conforms to BS ISO 14743	Polyethylene (PE), Polyamide (PA), Polyurethane (PU)	Body and cover: POM Collet: POM and SUS Sealing: EPDM Additional ranges: Inch tube sizes Food and beverage compliance and certification NSF 51, 61 EC 1935/2004 MOCA ICIM

Elbow flow control with bulkhead D00G4



Ø	B	Weight (g)	Pack size *	Model
6	M12x1.0	28,7	10	D00G40600
10	M15x1.0	54,0	5	D00G41000

* Pack size (sealed bag quantity) = minimum order quantity

Inline flow control with bulkhead D00GP



Ø	B	Weight (g)	Pack size *	Model
6	M12x1.0	28,9	10	D00GP0600
10	M15xp1.0	54,0	5	D00GP1000

* Pack size (sealed bag quantity) = minimum order quantity

Push-On-Fittings

24 Series Push-On Tube Fittings

- Port size:
Ø4/2,5 ... 15/12,5 mm
(OD/ID tube)
- Neat, compact design
- Precision machined for
complete reliability
- Corrosion resistant
- Unique barb shape ensures
good grip on tube even if
fitting is tightened by hand
- Ideal for use in confined
spaces where tight bend
radii are required



Operating pressure	Thread sizes	Ambient/Media temperature	Tube sizes	Tube types	Materials
15 bar (218 psi) maximum	M5, 1/8", 1/4", 3/8" or 1/2"	-20°C ... +80°C (-4 ... +176°F)	4/2,5 mm, 5/3 mm, 6/4 mm, 8/6 mm, 10/8 mm, 12/10 mm, 15/12,5 mm OD/ID	PUR or PA extra flexibility	Nut and body: Nickel plated brass 'O' ring: NBR 70 Sealing washer: PA 66 All raw materials & manufacturing processes are Silicon Free

Banjo flow regulator with seals Regulating out 24K51



Ø O/D / I/D tube	Thread sizes		Model
4/2,5	M5	8	24K510405
4/2,5	G1/8	14	24K510418
6/4	M5	8	24K510605
6/4	G1/8	14	24K510618
6/4	G1/4	17	24K510628
8/6	G1/8	14	24K510818
8/6	G1/4	17	24K510828
10/8	G1/4	17	24K511028

15/16 Series Thread Connectors

15 & 16 Series Thread Connectors

- ISO G, ISO R and NPT threads
- Port size: M5, 1/8" ... 1"
- Extensive range of shapes and sizes including manifolds
- High temperature and pressure aluminium sealing washers supplied with ISO G threads



Operating pressure	Thread forms	Ambient/Media temperature	Materials
Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts and M5 units). In these cases pressure is limited to 18 bar (261 psi). Flow regulating banjos are limited to 1 ... 10 bar (1 ... 145 psi) operating range. Suitable for vacuum applications.	Parallel BSP - ISO 228 Taper BSP - ISO 7 Metric - ISO 262 Taper NPTF - ASME B1.20.1	Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts, & M5 units). In these cases temperature is limited to -20 ... +70°C (-4 ... 158°F)	Body of the fittings are made from Brass type; OT UNI EN 12164/5 CW 614/7N and undergo to a nickel-plating process. Other materials will be specified with the fitting details. All ISO G male threads supplied with flat aluminium washer unless stated otherwise.

ISO R - Elbow flow control, regulating out 10TA0



Symbol	Port Size	Ø	Weight (g)	Model
	R1/8	14.5	30	10TA01818
	R1/4	18.0	60	10TA02828
	R3/8	23.0	107	10TA03838
	R1/2	26.5	170	10TA04848

Material: Body - Zinc die-casting

ISO G - Elbow flow control, regulating out 10KA0



Symbol	Port Size	Ø	Weight (g)	Model
	G1/8	14.5	31	10KA01818
	G1/4	18	66	10KA02828
	G3/8	23	117	10KA03838
	G1/2	26.5	180	10KA04848

Material: Body - Zinc die-casting

Banjo flow control, regulating out, BSP parallel to tube Push-In
10K51



Symbol	Port Size Ø	Thread Size	Ø	Weight (g)	Model
	4	M5	8,6	11	10K510405
	4	G1/8	9	29	10K510418
	6	M5	10,4	12	10K510605
	6	G1/8	12,7	31	10K510618
	6	G1/4	12,7	44	10K510628
	8	G1/8	14,2	34	10K510818
	8	G1/4	14,2	47	10K510828
	8	G3/8	14,2	68	10K510838
	10	G1/4	16,5	47	10K511028
	10	G3/8	16,5	68	10K511038
	12	G3/8	19,5	79	10K511238
	12	G1/2	19,5	182	10K511248

ISO G - Elbow banjo assembly regulating-out BSP parallel
16K51



Symbol	Port Size	Weight (g)	Model
	G1/8	30	16K511818
	G1/4	47	16K512828
	G3/8	74	16K513838
	G1/2	235	16K514848

ISO G - Banjo bolt, regulating out 20K00



Symbol	Port Size	Weight (g)	Model
	G1/8	15	20K000018Z
	G1/4	25	20K000028Z
	G3/8	45	20K000038Z

ISO G - Banjo bolt, regulating in, BSP parallel 20L00



Symbol	Port Size	Weight (g)	Model
	G1/8	15	20L000018Z
	G1/4	25	20L000028Z

ISO G - Banjo bolt, regulating bi-directional 20M00



Symbol	Port Size	Weight (g)	Model
	G1/8	17	20M000018Z
	G1/4	27	20M000028Z

Banjo elbow body to BSP parallel 16051



Port Size	Bolt size B	ØB	Ø	Weight (g)	Model
G1/8	G1/8	9,8	14	14	160511818Z
G1/4	G1/4	13,2	18	21	160512828Z
G3/8	G3/8	16,7	21	27	160513838Z
G1/2	G1/2	21	44	44	160514848Z

Banjo elbow body to tube push-in 10051



Port Size Ø	Bolt size B	ØB	Weight (g)	Model
4	M5	5,1	9	100510405Z
4	G1/8	9,8	14	100510418Z
6	M5	5,1	12	100510605Z
6	G1/8	9,8	16	100510618Z
6	G1/4	13,2	19	100510628Z
8	G1/8	9,8	19	100510818Z
8	G1/4	13,2	22	100510828Z
8	G3/8	16,7	23	100510838Z
10	G1/4	13,2	22	100511028Z
10	G3/8	16,7	23	100511038Z
12	G3/8	16,7	37	100511238Z
12	G1/2	21	37	100511248Z

Pneufit® C Push-In-Fittings

Pneufit® C Series Push-In Fittings & Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

The IMI Norgren Pneufit® C range must not be used in vehicle air braking or ancillary systems. For push in fittings suitable for these applications, please refer to the Fleetfit range.

Banjo flow control (out) C0TA0



Symbol	Port Size Ø	Thread Size		Model
	4	R1/8	11	C0TA00418
	4	R1/4	15	C0TA00428
	6	R1/8	11	C0TA00618
	6	R1/4	15	C0TA00628
	6	R3/8	19	C0TA00638
	8	R1/8	11	C0TA00818
	8	R1/4	15	C0TA00828
	8	R3/8	19	C0TA00838
	8	R1/2	24	C0TA00848
	10	R1/4	15	C0TA01028
	10	R3/8	19	C0TA01038
	10	R1/2	24	C0TA01048
	12	R1/4	15	C0TA01228
	12	R3/8	19	C0TA01238
	12	R1/2	24	C0TA01248

Banjo flow control (out) C0K51



Symbol	Port Size Ø	Thread Size		Model
	3	M5	8	C0K510305
	4	M5	8	C0K510405
	4	G1/8	8	C0K510418
	4	G1/4	12	C0K510428
	6	M5	8	C0K510605
	6	G1/8	8	C0K510618
	6	G1/4	12	C0K510628
	6	G3/8	14	C0K510638
	8	G1/8	8	C0K510818
	8	G1/4	12	C0K510828
	8	G3/8	14	C0K510838
	8	G1/2	17	C0K510848
	10	G1/4	12	C0K511028
	10	G3/8	14	C0K511038
	10	G1/2	17	C0K511048
	12	G1/4	12	C0K511228
	12	G3/8	14	C0K511238
	12	G1/2	17	C0K511248

Banjo flow control (in) COSA0



Symbol	Port Size Ø	Thread Size	☞	Model
	4	R1/8	11	COSA00418
	4	R1/4	15	COSA00428
	6	R1/8	11	COSA00618
	6	R1/4	15	COSA00628
	6	R3/8	19	COSA00638
	8	R1/8	11	COSA00818
	8	R1/4	15	COSA00828
	8	R3/8	19	COSA00838
	8	R1/2	24	COSA00848
	10	R1/4	15	COSA01028
	10	R3/8	19	COSA01038
	10	R1/2	24	COSA01048
	12	R1/4	15	COSA01228
	12	R3/8	19	COSA01238
	12	R1/2	24	COSA01248

Shrouded banjo (out) COTB0



Symbol	Port Size Ø	Thread Size	☞	Model
	4	R1/8	11	COTB00418
	4	R1/4	15	COTB00428
	6	R1/8	11	COTB00618
	6	R1/4	15	COTB00628
	6	R3/8	19	COTB00638
	8	R1/8	11	COTB00818
	8	R1/4	15	COTB00828
	8	R3/8	19	COTB00838
	8	R1/2	24	COTB00848
	10	R1/4	15	COTB01028
	10	R3/8	19	COTB01038
	10	R1/2	24	COTB01048
	12	R1/4	15	COTB01228
	12	R3/8	19	COTB01238
	12	R1/2	24	COTB01248

Banjo flow control (in) COL51



Symbol	Port Size Ø	Thread Size	⌀	Model
	3	M5	8	COL510305
	4	M5	8	COL510405
	4	G1/8	8	COL510418
	4	G1/4	12	COL510428
	6	M5	8	COL510605
	6	G1/8	8	COL510618
	6	G1/4	12	COL510628
	6	G3/8	14	COL510638
	8	G1/8	8	COL510818
	8	G1/4	12	COL510828
	8	G3/8	14	COL510838
	8	G1/2	17	COL510848
	10	G1/4	12	COL511028
	10	G3/8	14	COL511038
	10	G1/2	17	COL511048
	12	G1/4	12	COL511228
	12	G3/8	14	COL511238
	12	G1/2	17	COL511248

Shrouded banjo (out) COKBO



Symbol	Port Size Ø	Thread Size	⌀	Model
	4	M5	8	COKB00405
	4	G1/8	8	COKB00418
	4	G1/4	12	COKB00428
	6	M5	8	COKB00605
	6	G1/8	8	COKB00618
	6	G1/4	12	COKB00628
	6	G3/8	14	COKB00638
	8	G1/8	8	COKB00818
	8	G1/4	12	COKB00828
	8	G3/8	14	COKB00838
	8	G1/2	17	COKB00848
	10	G1/4	12	COKB01028
	10	G3/8	14	COKB01038
	10	G1/2	17	COKB01048
	12	G1/4	12	COKB01228
	12	G3/8	14	COKB01238
	12	G1/2	17	COKB01248

Swivel flow control (out) C0T56



Symbol	Port Size Ø	Thread Size		Model
	4	R1/8	11	C0T560418
	4	R1/4	15	C0T560428
	6	R1/8	11	C0T560618
	6	R1/4	15	C0T560628
	6	R3/8	19	C0T560638
	8	R1/8	11	C0T560818
	8	R1/4	15	C0T560828
	8	R3/8	19	C0T560838
	8	R1/2	24	C0T560848
	10	R1/4	15	C0T561028
	10	R3/8	19	C0T561038
	10	R1/2	24	C0T561048
	12	R1/4	15	C0T561228
	12	R3/8	19	C0T561238
	12	R1/2	24	C0T561248

* min/max

Swivel flow control (out) C0K56



Symbol	Port Size Ø	Thread Size		Model
	4	M5	8	C0K560405
	4	G1/8	8	C0K560418
	4	G1/4	12	C0K560428
	6	M5	8	C0K560605
	6	G1/8	8	C0K560618
	6	G1/4	12	C0K560628
	6	G3/8	14	C0K560638
	8	G1/8	8	C0K560818
	8	G1/4	12	C0K560828
	8	G3/8	14	C0K560838
	8	G1/2	17	C0K560848
	10	G1/4	12	C0K561028
	10	G3/8	14	C0K561038
	10	G1/2	17	C0K561048
	12	G1/4	12	C0K561228
	12	G3/8	14	C0K561238
	12	G1/2	17	C0K561248

* min/max

Speed control and pilot check C01GN



Symbol	Port Size Ø	Thread Size	Weight (g)	Model
	6	R1/8	30.4	C01GN0618
	6	R1/4	63.5	C01GN0628
	8	R1/8	33.6	C01GN0818
	8	R1/4	66.3	C01GN0828
	8	R3/8	101.3	C01GN0838
	10	R1/4	70.2	C01GN1028
	10	R3/8	105.2	C01GN1038
	10	R1/2	203.3	C01GN1048
	12	R3/8	110.0	C01GN1238
	12	R1/2	235.0	C01GN1248

Note:
Pilot check is not suitable for extreme high cycling applications.

Speed control and pilot check C02GN



Symbol	Port Size Ø	Thread Size	Weight (g)	Model
	6	G1/8	38.9	C02GN0618
	6	G1/4	75.7	C02GN0628
	8	G1/8	40.7	C02GN0818
	8	G1/4	77.6	C02GN0828
	8	G3/8	129.3	C02GN0838
	10	G1/4	87.5	C02GN1028
	10	G3/8	131.2	C02GN1038
	10	G1/2	240.6	C02GN1048
	12	G3/8	135.0	C02GN1238
	12	G1/2	244.6	C02GN1248

Note:
Pilot check is not suitable for extreme high cycling applications.

In-line flow control C00GE



Symbol	Port Size Ø	Model
	4	C00GE0400
	6	C00GE0600
	8	C00GE0800
	10	C00GE1000
	12	C00GE1200

In-line and panel mounting flow control C00GP



Symbol	Port Size Ø		Panel hole	Panel thickness	Model
	4	12	11	5	C00GP0400
	6	17	15	6	C00GP0600
	8	19	17	6	C00GP0800
	10	22	17	7	C00GP1000
	12	24	21	7	C00GP1200

Quick Exhaust Valves

T70

Quick Exhaust Valves

- Port size: G1/8 ... G1/2
- Enables air to be exhausted quickly from air cylinders
- Allows higher cylinder speeds to be achieved
- Simple, compact design and construction
- Very reliable in operation



Technical data, standard models

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port size			Flow factor 1 » 2			Flow factor 2 » 3			Flow from 1 » 2 at 6 » 5 bar (dm ³ /min)	Weight (kg)	Spare kit	Model
				Inlet	Outlet	Exhaust	C *1)	Cv	Kv *2)	C *1)	Cv	Kv*2)				
	0,5 ... 10 bar (7 ... 145 psi)	-20°C ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body and Cover: Aluminium or zinc alloy Seals: NBR	G1/8	G1/8	G1/8	3,8	0,93	0,81	7	1,72	1,49	837	0,15	T70C1800K0	T70C1800
				G1/4	G1/4	G1/4	7,4	1,8	1,58	9,7	2,38	2,07	1289	0,13	T70C2800K0	T70C2800
				G3/8	G3/8	G3/8	14,5	3,55	3,1	20,5	5	4,37	2656	0,21	T70C3800K0	T70C3800
				G1/2	G1/2	G1/2	19,7	4,83	4,2	25	6,13	5,33	3101	0,19	T70C4800K0	T70C4800

*1) Measured in dm³/(s.bar)*2) Measured in m³/h

Pneufit® C Push-In-Fittings

Pneufit® C Series Push-In Fittings and Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

The IMI Norgren Pneufit® C range must not be used in vehicle air braking or ancillary systems. For push in fittings suitable for these applications, please refer to the Fleetfit range.

Quick exhaust with flow control C02G4



Port Size Ø	Thread Size	Weight (g)	Model
4	M5	11.3	C02G40405
6	M5	12.3	C02G40605



Port Size Ø	Thread Size	Weight (g)	Model
6	G 1/8	26.5	C02G40618
6	G 1/4	30.3	C02G40628
8	G 1/8	28.5	C02G40818
8	G 1/8	40.0	C02G40818HF
8	G 1/4	31.4	C02G40828
8	G 1/4	45.6	C02G40828HF
8	G 3/8	49.5	C02G40838
10	G 1/4	45.7	C02G41028
10	G 1/4	70.5	C02G41028HF
10	G 3/8	49.2	C02G41038
10	G 3/8	73.5	C02G41038HF
10	G 1/2	80.2	C02G41048
12	G 3/8	76.5	C02G41238
12	G 1/2	83.1	C02G41248

Note: Part number suffix HF = high flow

Quick exhaust with filter C00G6



Port Size Ø	Weight (g)	Model
4	4.5	C00G60400
6	5.5	C00G60600

Quick exhaust with piped exhaust C00G5



Port Size Ø	Weight (g)	Model
4	5.9	C00G50400
6	7.5	C00G50600

Air Fuse Shut-Off Valve

T60 Air fuse, In-Line Excess Flow Shut-Off Valves

- Port size: G1/4 ... G1 1/2
- Assists in complying with safety regulations
- Tamper proof
- Compact and safe design
- Low pressure drop
- Automatically resets after failure correction
- High corrosion resistance
- High air pressure rating



Technical data, standard models

Function	Operating pressure	Ambient/Media temperature	Materials	Port size	Drop pressure at shut off flow (bar)	Shut off flow rate at 7 bar (dm³/s) ±10%	Flow at 7 bar Δ p 0,07 bar (dm³/s)	Weight (kg)	Model
	16 bar max. (232 psi) Minimum according to hose length. Drop pressure at shut-off flow . 0,14 or 0,3 bar (2 or 4 psi)	-20 ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: Aluminium Internal parts: Brass Spring: Stainless steel	G1/4	0,14	8,3	6,5	0,041	T60C2890
				G1/4	0,3	14	6,5	0,041	T60C2891
				G3/8	0,14	19,4	13,5	0,065	T60C3890
				G3/8	0,3	32,2	13,5	0,065	T60C3891
				G1/2	0,14	32,2	23,2	0,150	T60C4890
				G1/2	0,3	48,3	23,2	0,150	T60C4891
				G3/4	0,14	48,3	43	0,130	T60C6890
				G3/4	0,3	80	43	0,130	T60C6891
				G1	0,14	92	68	0,540	T60C8890
				G1	0,3	128	68	0,540	T60C8891
				G1 1/2	0,14	186	145	1,1	T60CB890
				G1 1/2	0,3	268	145	1,1	T60CB891

Flow and pressure test conducted according to ISO 6358 test circuit. Mean measured flow values are provided at standard reference conditions.

Pneufit® D Push-In-Fittings

Pneufit® D Acetal (POM) Push-In Fittings, Metric



- Tube size:
Ø4 ... 12 mm O/D tube
- ISO G, ISO R and UNF threads
- Developed for potable water, beverages, drinks dispense and compressed air applications
- FDA approved material ensuring safety, certified to NSF 51, 61
- Compliant with Food Contact Materials - Regulation (EC) 1935/2004
- Quick one touch connection and disconnection without need of tools
- Food grade EPDM sealing
- Optional locking clip



Operating pressure	Thread sizes	Operating temperature	Tube sizes	Standards	Tube materials	Materials
Nominal range: vacuum to 16 bar, dependant on temperature and tube size, see table below for details	1/8", 1/4", 3/8", 1/2" ISO G, ISO R, UNF	Nominal range: 0 to +60°C dependant on pressure and tube size see table below for details	4, 6, 8, 10, 12mm	Conforms to BS ISO 14743	Polyethylene (PE), Polyamide (PA), Polyurethane (PU)	Body and cover: POM Collet: POM and SUS Sealing: EPDM Additional ranges: Inch tube sizes Food and beverage compliance and certification NSF 51, 61 EC 1935/2004 MOCA ICIM

Hand Valve 2/2 Shut-Off (Tube/Tube) D00GR



Port Size Ø	Weight (g)	Pack size *	Model
6	16,0	5	D00GR0600
8	17,4	5	D00GR0800
10	29,0	5	D00GR1000
12	35,4	5	D00GR1200

* Pack size (sealed bag quantity) = minimum order quantity

Pneufit® C Push-In-Fittings

Pneufit® C series

Push-In Fittings and Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

The IMI Norgren Pneufit® C range must not be used in vehicle air braking or ancillary systems. For push in fittings suitable for these applications, please refer to the Fleetfit range.

3/2 Shut-off valves C01GG



Thread size		Model
R1/8	14	C01GG1818
R1/4	14	C01GG2828
R3/8	17	C01GG3838
R1/2	21	C01GG4848

3/2 Shut-off valves C01GJ



Port Size Ø	Thread size		Model
6	R1/8	14	C01GJ0618
6	R1/4	14	C01GJ0628
6	R3/8	17	C01GJ0638
8	R1/8	14	C01GJ0818
8	R1/4	14	C01GJ0828
8	R3/8	17	C01GJ0838
10	R1/4	17	C01GJ1028
10	R3/8	17	C01GJ1038
10	R1/2	21	C01GJ1048
12	R1/4	19	C01GJ1228
12	R3/8	19	C01GJ1238
12	R1/2	21	C01GJ1248

3/2 Shut-off valves C01GH



Port Size Ø	Thread size		Model
6	R1/8	14	C01GH0618
6	R1/4	14	C01GH0628
6	R3/8	17	C01GH0638
8	R1/8	14	C01GH0818
8	R1/4	14	C01GH0828
8	R3/8	17	C01GH0838
10	R1/4	17	C01GH1028
10	R3/8	17	C01GH1038
10	R1/2	21	C01GH1048
12	R1/4	19	C01GH1228
12	R3/8	19	C01GH1238
12	R1/2	21	C01GH1248

3/2 Shut-off valves C00GF



Port Size Ø	Model
6	C00GF0600
8	C00GF0800
10	C00GF1000
12	C00GF1200

Non-return valves

T50P

PIF Non-Return Valves

- Port size: O/D tube 4 ... 12 mm
- Low cracking pressure
- Allow free flow in one direction only
- High operating pressure
- Simple reliable design
- Low weight



Technical data

Symbol	Operating pressure	Cracking pressure	Ambient/Media temperature	Tubing types	Materials	ØTube (mm)	Flow factor				Flow at 6 » 5 bar (l/min)	Weight (kg)	Model
	-0,9 ... 16 bar (-13 ... 232 psi)	0,03 ... 0,05 bar (0,4 ... 0,7 psi)	-20 ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	PA 11 or 12, PUR and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS 5409, Part 1, 1976, light and normal duty, DIN 73378, DIN 74234, NFE 49-100	Body: Aluminium Grab ring: Nickel plated brass 'O'-ring: NBR	4	0,4	0,23	0,1	0,09	96	0,010	T50P0004
						6	1,45	0,36	0,36	0,31	349	0,016	T50P0006
						8	2,9	0,3	0,7	0,62	699	0,022	T50P0008
						10	5,1	0,35	1,25	1,09	1229	0,048	T50P0010
						12	8,4	0,42	2,1	1,79	2024	0,064	T50P0012

*1) Measured in dm³/(s.bar)

*2) Measured in m³/h

*3) b = critical pressure ratio

T55

In-Line, Non-Return Valves

- Port size: G1/8 ... G1/2
- Permit free flow of air in one direction only
- Simple, reliable design
- Light weight
- Silicone free
- Low cracking pressure



Technical data

Symbol	Operating pressure	Cracking pressure	Ambient/Media temperature	Materials	Port Size	Flow factor			Weight (kg)	Model
						C *1)	Cv	Kv *2)		
	0,1 ... 10 bar (1,4 ... 145 psi)	0,05 bar (0,7 psi)	-20 ... +80°C max. (-4 ... 176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: Aluminium 'O' ring: NBR (VMQ free) Valve: POM Spring: Stainless steel	G1/8	2,4	0,59	0,51	0,015	T55C1800
					G1/4	5,5	1,35	1,17	0,025	T55C2800
					G3/8	9,0	2,20	1,92	0,060	T55C3800
					G1/2	15,0	3,70	3,2	0,080	T55C4800

*1) Measured in $\text{dm}^3/(\text{s} \cdot \text{bar})$

*2) Measured in m^3/h

T56 In-Line, Non-Return Valves

- Port size: 1/8" & 1/4" ISO G/NPT
- Permit free flow of air in one direction only
- Simple, reliable design
- VMQ free
- Low cracking pressure



Technical data

Symbol	Operating pressure	Cracking pressure	Ambient/Media temperature	Materials	Port Size	Flow factor			Weight (kg)	Model
						C *1)	Cv	Kv *2)		
	0,1 ... 10 bar (1,4 ... 145 psi)	0,05 bar (0,7 psi)	-20 ... +80°C max. (-4 ... 176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: brass 'O' ring: VMQ free NBR Valve: POM Spring: stainless steel	G1/8	2,4	0,59	0,51	0,045	T56C1800
					G1/4	5,0	1,23	1,07	0,072	T56C2800

*1) Measured in $\text{dm}^3/(\text{s} \cdot \text{bar})$

*2) Measured in m^3/h

Pneufit® C Push-In-Fittings

Pneufit® C Series Push-In Fittings and Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

The IMI Norgren Pneufit® C range must not be used in vehicle air braking or ancillary systems. For push in fittings suitable for these applications, please refer to the Fleetfit range.

Non-Return Valves

In-line non-return valve (PBT) C00GL



Symbol	Ø Port Size	Length	Model
	4	42	C00GL0400
	6	47,5	C00GL0600
	8	55,5	C00GL0800

In-line non-return valve (in), taper thread C01G2



Symbol	Ø Port Size	Thread Size		Model
	4	R1/8	10	C01G20418
	6	R1/8	12	C01G20618
	8	R1/4	14	C01G20828

In-line non-return valve (Aluminium) C00GL



Symbol	Ø Port Size	Length	Model
	10	65	C00GL1000
	12	73	C00GL1200

In-line non-return valve (out), taper thread C01G3



Symbol	Ø Port Size	Thread Size		Weight (g)	Model
	4	R1/8	10	11	C01G30418
	6	R1/8	12	16	C01G30618
	8	R1/4	14	24	C01G30828

In-line non-return valve (in), ISO G thread
C02G2



Symbol	Ø Port Size	Thread Size		Model
	4	M5	10	C02G20405
	4	G1/8	10	C02G20418
	6	G1/8	12	C02G20618
	8	G1/4	15	C02G20828
	10	G3/8	22	C02G21038
	12	G1/2	24	C02G21248

In-line non-return valve (out), ISO G thread
C02G3



Symbol	Ø Port Size	Thread Size		Model
	4	M5	10	C02G30405
	4	G1/8	10	C02G30418
	6	G1/8	12	C02G30618
	8	G1/4	15	C02G30828
	10	G3/8	22	C02G31038
	12	G1/2	24	C02G31248

Heavy Duty Non-Return Valves

S/520, S/521, S/522, S/523, S/524, S/532

Heavy Duty Non-Return Valves

- Port size: G1/8 ... 1
- Permit free flow of air in one direction only
- Simple, reliable design
- High operating pressure



Technical data

Symbol	Operating pressure	Cracking pressure	Ambient/Media temperature	Materials	Port Size	Flow factor			Weight	Service kit	Model
						C *1	Cv	Kv *2	(kg)		
	0,3 ... 16 bar (4 ... 232 psi)	< 0,1 bar (1 psi)	Standard -20 ... +80°C max. (-4 ... 176°F) For high temperature applications +150°C (+302°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: brass Valve: aluminium Seals: NBR Note: FPM Seals for high temperature version	G1/8	2,4	0,6	0,51	0,04	QS/520/00	S/520
					G1/4	4,3	1	0,92	0,09	QS/521/00	S/521
					G3/8	10,5	2,6	2,24	0,14	QS/532/00	S/532
					G1/2	17	4,2	3,62	0,21	QS/522/00	S/522
					G3/4	42	10,3	8,95	0,55	QS/523/00	S/523
					G1	55,5	13,6	11,8	1,1	QS/524/00	S/524

*1) Measured in dm³/(s.bar)

*2) Measured in m³/h

Pneufit® D Push-In-Fittings

Pneufit® D

Acetal (POM) Push-In Fittings, Metric



- Tube size: Ø4 ... 12 mm O/D tube
- ISO G, ISO R and UNF threads
- Developed for potable water, beverages, drinks dispense and compressed air applications
- FDA approved material ensuring safety, certified to NSF 51, 61
- Compliant with Food Contact Materials - Regulation (EC) 1935/2004
- Quick one touch connection and disconnection without need of tools
- Food grade EPDM sealing
- Optional locking clip



Operating pressure	Thread sizes	Operating temperature	Tube sizes	Standards	Tube materials	Materials
Nominal range: vacuum to 16 bar, dependant on temperature and tube size, see table below for details	1/8", 1/4", 3/8", 1/2" ISO G, ISO R, UNF	Nominal range: 0 to +60°C dependant on pressure and tube size see table below for details	4, 6, 8, 10, 12mm	Conforms to BS ISO 14743	Polyethylene (PE), Polyamide (PA), Polyurethane (PU)	Body and cover: POM Collet: POM and SUS Sealing: EPDM Additional ranges: Inch tube sizes Food and beverage compliance and certification NSF 51, 61 EC 1935/2004 MOCA ICIM

Check valve D00GL



Ø Port Size	ØK	Weight (g)	Pack size *	Model
4	13,2	5,5	10	D00GL0400
6	15,5	7,4	10	D00GL0600
8	17,6	10,0	10	D00GL0800
10	20,0	14,5	5	D00GL1000
12	23,6	22,1	5	D00GL1200

* Pack size (sealed bag quantity) = minimum order quantity

15/16 Series Thread Connectors

15 and 16 Series Thread Connectors

- ISO G, ISO R and NPT threads
- Port size: M5, 1/8" ... 1"
- Extensive range of shapes and sizes including manifolds
- High temperature and pressure aluminium sealing washers supplied with ISO G threads



Operating pressure	Thread forms	Ambient/Media temperature	Materials
Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts and M5 units). In these cases pressure is limited to 18 bar (261 psi). Flow regulating banjos are limited to 1 ... 10 bar (1 ... 145 psi) operating range. Suitable for vacuum applications.	Parallel BSP - ISO 228 Taper BSP - ISO 7 Metric - ISO 262 Taper NPTF - ASME B1.20.1	Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts, & M5 units). In these cases temperature is limited to -20 ... +70°C (-4 ... 158°F)	Body of the fittings are made from Brass type; OT UNI EN 12164/5 CW 614/7N and undergo to a nickel-plating process. Other materials will be specified with the fitting details. All ISO G male threads supplied with flat aluminium washer unless stated otherwise.

ISO R - Pilot operated check valve 101GA



Symbol	Port Size 1	Port Size 2	Thread Size	Weight (g)	Model
	R1/8	Rc1/8	M5	35	101GA1818
	R1/4	Rc1/4	Rc1/8	75	101GA2828
	R3/8	Rc3/8	Rc1/8	123	101GA3838
	R1/2	Rc1/2	Rc1/4	207	101GA4848

Material: Body - Zinc die-casting

ISO G - Pilot operated check valve 102GA



Symbol	Port Size 1	Port Size 2	Thread Size	Weight (g)	Model
	G1/8	G1/8	M5	35	102GA1818
	G1/4	G1/4	G1/8	77	102GA2828
	G3/8	G3/8	G1/8	128	102GA3838
	G1/2	G1/2	G1/4	219	102GA4848

Material: Body - Zinc die-casting

Pneufit® C Push-In-Fittings

Pneufit® C series Push-In Fittings and Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

The IMI Norgren Pneufit® C range must not be used in vehicle air braking or ancillary systems. For push in fittings suitable for these applications, please refer to the Fleetfit range.

Pilot Operated Non-Return Valves

Speed control and pilot check C01GN



Symbol	Port Size Ø	Thread Size	Weight (g)	Model
	6	R1/8	30.4	C01GN0618
	6	R1/4	63.5	C01GN0628
	8	R1/8	33.6	C01GN0818
	8	R1/4	66.3	C01GN0828
	8	R3/8	101.3	C01GN0838
	10	R1/4	70.2	C01GN1028
	10	R3/8	105.2	C01GN1038
	10	R1/2	203.3	C01GN1048
	12	R3/8	110.0	C01GN1238
	12	R1/2	235.0	C01GN1248

Note:

Pilot check is not suitable for extreme high cycling applications.

Speed control and pilot check C02GN



Symbol	Port Size Ø	Thread Size	Weight (g)	Model
	6	G1/8	38.9	C02GN0618
	6	G1/4	75.7	C02GN0628
	8	G1/8	40.7	C02GN0818
	8	G1/4	77.6	C02GN0828
	8	G3/8	129.3	C02GN0838
	10	G1/4	87.5	C02GN1028
	10	G3/8	131.2	C02GN1038
	10	G1/2	240.6	C02GN1048
	12	G3/8	135.0	C02GN1238
	12	G1/2	244.6	C02GN1248

Note:

Pilot check is not suitable for extreme high cycling applications.

Pressure Sensing Valve

102GD

Pressure Sensor Valves

- Port size: Ø4 mm, G1/8 & G1/4
- Very compact units
- Easy tube insertion for rapid assembly of pneumatic circuits
- Positive tube anchorage
- Simpler pneumatic systems
- Eliminates need for electrical sensors on actuators



Technical data

Symbol	Operating pressure	Ambient/Media temperature	Tube types	Materials	O/D tube A (mm)	Port Size B	Model
	10 bar (145 psi) max. (cylinder pressure)	-20 ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Nylon 11 or 12, polyurethane and other plasticised or unplasticised tubing	Body: PA Banjo bolt: nickel plated brass Washer: NBR and PU	4	G1/8	102GD0418
	3 ... 10 bar (43 ... 145 psi) (sensor supply pressure)				4	G1/4	102GD0428

Pressure Reducing Valve

102GB

Pressure Reduction Valves

- Port size: 1/8 ... 1/2
- Thread form: ISO G
- Compact units
- System running cost savings by optimising cylinder pressure
- Designed for mounting on valves
- Relief feature to protect against over pressure



Technical data

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port Size 1	Port Size 2	Model
	1 ... 16 bar (14 ... 232 psi) (primary)	-10 ... +70°C max. (+14 ... +158°F)	Banjo body: Aluminium	G1/8	G1/8	102GB1818
	1 ... 8 bar (14 ... 116 psi) (secondary)	Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Retaining ring: PA	G1/4	G1/4	102GB2828
			Banjo bolt and valve: Brass - zinc plated	G3/8	G3/8	102GB3838
			Washer: NBR	G1/2	G1/2	102GB4848

Pneufit® C Push-In-Fittings

Pneufit® C series

Push-In Fittings and Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

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Tube in line pressure regulator COP56



Symbol	Port Size Ø	Thread Size	Model
	6	M9x1	COP560066
	8	M11x1	COP560088

Manual Sleeve Valve

M/7300, 3/2
Manually Actuated Sleeve Valves

- Port size: G1/8 ... G1/2
 - Sliding sleeve operation
 - Very compact in-line units
- Easy to install
 - Very simple and reliable operation 3/2 function



Technical data

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port size	Flow 1 » 2 at 6 » 5 bar (Nl/min)	Weight (kg)	Model
	10 bar (145 psi) max.	-20 ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: Chrome-nickel plated brass Sleeve: Grey anodised aluminium Seals: NBR	G1/8 G1/4 G3/8 G1/2	376 775 1590 3025	0,05 0,08 0,15 0,22	M/7318 M/7328 M/7338 M/7348

Shuttle Valve - OR Logic Function

T65

Shuttle Valve ('OR' Logic Function)

- Port size: G1/8 & G1/4
- Allow two independent signal sources to be connected to a common pilot line
- Can be used to perform an 'OR' logic function
- Can be combined to operate from three or more sources
- Valves can be ganged together



Technical data

Symbol	Operating pressure	Ambient/Media temperature	Materials	Port size	Flow factor C *1)	Cv	Kv *2)	Flow at 6 - 1 bar (dm³/min)	Weight (kg)	Model
	0,7 ... 10 bar (10 ... 145 psi)	-20 ... +80°C max. (-4 ... +176°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Body: zinc alloy Ball: NBR Valve seat: brass	G 1/8	1,7	0,42	0,36	412	0,055	T65C1800
				G 1/4	2,6	0,64	0,56	631	0,130	T65C2800

*1) Measured in dm³/(s.bar)

*2) Measured in m³/h

Pneufit® C Push-In-Fittings

Pneufit® C Series Push-In Fittings and Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

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Self-sealing Fittings

Straight adaptor C0124



Ø Port Size	Thread Size	≡	Model
4	R1/8	10	C01240418
6	R1/8	12	C01240618
6	R1/4	14	C01240628
8	R1/4	14	C01240828
8	R3/8	17	C01240838
10	R1/4	17	C01241028
10	R3/8	17	C01241038
10	R1/2	21	C01241048
12	R1/4	19	C01241228
12	R3/8	19	C01241238
12	R1/2	21	C01241248

Swivel elbow C014J



Ø Port Size	Thread Size	≡	Model
4	R1/8	10	C014J0418
6	R1/8	12	C014J0618
6	R1/4	14	C014J0628
8	R1/8	14	C014J0818
8	R1/4	17	C014J0828
10	R1/4	17	C014J1028
10	R3/8	17	C014J1038
10	R1/2	21	C014J1048
12	R3/8	19	C014J1238
12	R1/2	21	C014J1248

Straight adaptor C0224



Ø Port Size	Thread Size		Model
4	G1/8	12	C02240418
6	G1/8	12	C02240618
6	G1/4	15	C02240628
8	G1/4	15	C02240828
8	G3/8	17	C02240838
10	G1/4	17	C02241028
10	G3/8	17	C02241038
10	G1/2	21	C02241048
12	G1/4	19	C02241228
12	G3/8	21	C02241238
12	G1/2	21	C02241248

Straight union C002J



Ø A	Model
4	C002J0400
6	C002J0600
8	C002J0800
10	C002J1000
12	C002J1200

Swivel elbow C024J



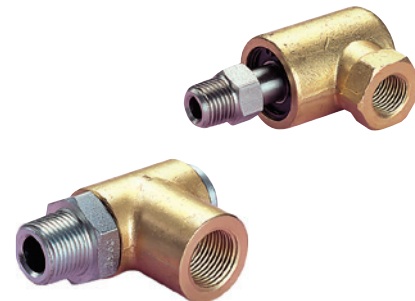
Ø Port Size	Thread Size		Model
4	M5	10	C024J0405
4	G1/8	14	C024J0418
6	M5	12	C024J0605
6	G1/8	14	C024J0618
6	G1/4	14	C024J0628
8	G1/4	17	C024J0828
8	G3/8	20	C024J0838
10	G1/4	17	C024J1028
10	G3/8	20	C024J1038
10	G1/2	24	C024J1048
12	G3/8	20	C024J1238
12	G1/2	24	C024J1248

Rotating Joints

0401

Rotating Joints

- Port size: 1/8" ... 3/8"
- For use with a variety of fluids
- Slow and fast rotating models
- Pressure and vacuum models



Technical data

Symbol	Ambient/Media temperature	Materials	Male thread ISO R, taper	Female thread ISO G, parallel	Suitable for	Max. speed r.p.m.	Pressure range (bar)	Weight (kg)	Model
	-10 ... +70°C (+14 ... +158°F) Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)	Slow rotating models: Body: Brass Spindle: Steel zing plated Seals: FPM	R1/8	G1/8	Pressure	50	0 ... 7	0,035	04017400
			R1/4	G1/4	Pressure	50	0 ... 7	0,100	04017500
		Fast rotating models: Body: Brass Spindle: Stainless steel Clip: Steel phoshated Seals: NBR	R3/8	G3/8	Pressure	50	0 ... 7	0,170	04017600
			R1/4	G1/4	Pressure	2000	0 ... 7	0,210	04016100
			R1/4	G1/4	Vacuum	2000	-740 mm Hg-0	0,210	04016200

Multiconnectors

Pneufit® Multi-Connectors BOB0, BOP0, BOS0 Series

- Enable connection of multiple airlines
- Series BOB0 Bulkhead is designed to give simple tube connections
- Series BOP0 Plugs and BOS0 Sockets are used when the two sections need to be separated and remain in a fixed position
- BOTS Tube socks are used to neatly group tubes and offer protection of the tube entry
- B0DC Dust caps (for both plug and socket sides) are designed to protect threads and prevent ingress
- Multi-connectors offer the benefit of single rather than multiple holes in panel, cabinets and equipment. Options include a plug and socket combination, or a simple bulkhead.



Operating pressure	Operating temperature	Acceptable panel thickness	Standard PIF sizes	Materials
Vacuum to 12 bar	-20 to 80°C Consult our Technical Service for use below +2°C	0 to 5 mm	4, 6, 8 mm	Body: Acetal Fittings: Collet: nickel-plated brass Cartridge insert: brass 'O'-ring: nitrile (silicone free)

Bulkheads

For multiconnector Ø	Number PIF	PIF Ø	A panel Ø	Model
50	4	4	40	B0B0040450
50	7	4	40	B0B0040750
70	12	4	58	B0B0041270
50	4	6	40	B0B0060450
50	7	6	40	B0B0060750
50	4	8	40	B0B0080450

Plugs

For multiconnector Ø	Number PIF	PIF Ø	A panel Ø	Model
50	4	4	M40 x 1,5	B0P0040450
50	7	4	M40 x 1,5	B0P0040750
70	12	4	M58 x 1,5	B0P0041270
50	4	6	M40 x 1,5	B0P0060450
50	7	6	M40 x 1,5	B0P0060750
50	4	8	M40 x 1,5	B0P0080450

Dust cap for plugs

For multiconnector Ø	Number PIF	PIF Ø	Model
50	M46 x 1,5	50	B0DC000050P
70	M65 x 1,5	75	B0DC000070P

Sockets

For multiconnector Ø	Number PIF	PIF Ø	A panel Ø	Model
50	4	4	40	B0S0040450
50	7	4	40	B0S0040750
70	12	4	58	B0S0041270
50	4	6	40	B0S0060450
50	7	6	40	B0S0060750
50	4	8	40	B0S0080450

Tube socket

For multiconnector Ø	Number PIF	PIF Ø	A panel Ø	Model
50	M40 x 1,5	50	12,5	B0TS000050
70	M58 x 1,5	70	14,5	B0TS000070

Dust cap for sockets

For multiconnector Ø	Number PIF	PIF Ø	Model
50	M46 x 1,5	55	B0DC000050S
70	M65 x 1,5	75	B0DC000070S

Pneufit® 10/12 Push-In-Fittings

Pneufit® 10 Series Push-In Fittings

- Port size: Ø4 ... 16 mm
O/D tube, ISO G, ISO R,
ISO Rc and NPT threads
- Very compact units
- Easy tube insertion for rapid
assembly of pneumatic circuits
- Positive tube anchorage
- All BSP taper threads
pre-coated with non-
PTFE based sealant
- Straight adaptors feature
internal hexagon for allen key
- Silicon free, O-rings



Operating pressure	Standard	Vacuum	Ambient/Media temperature	Tubing types	Materials
Vacuum -18 bar (... 261 psi) (Dependent upon operating specification of tubing)	Conforms to BS ISO 14743	-750 mm of Hg i.e. 98%	-20°C ... +80°C (-4 ... 176 °F) "Special" low temperature options contact our Technical service	PA 11 or 12, PUR and other plasticised or unplasticised tubing which conforms to the tolerances specified in BS 5409, Part 1, 1976, light and normal duty, DIN 73378, DIN 74234, NFE 49-100	Body: Nickel plated brass body Collet: Nickel plated brass O-rings: VMQ free NBR (FKM on request) Washer (Banjo): PA Thread sealant: Non - PTFE thread sealant (taper threads) Elbow flow controls and function fittings: See individual product details

Swivel Y-adaptor, BSP taper 10188



Ø	Port Size	Thread size Ø	Weight (g)	Model
6	R1/8	13,2	30	101880618
6	R1/4	15,2	38	101880628
8	R1/4	15,2	47	101880828

Swivel Y-adaptor, BSP parallel 10288



Ø	Port Size	Thread size Ø	Weight (g)	Model
6	G1/8	13,5	30	102880618
6	G1/4	16,4	37	102880628
8	G1/4	16,4	46	102880828

Y-Connector 10082



Ø	Port Size	Thread size Ø	Weight (g)	Model
4	4	9	19	100820400
6	6	12	30	100820600
6	4	12	37	100820604
8	8	14	42	100820800
8	6	14	50	100820806
10	10	16	63	100821000
10	8	16	66	100821008

Pneufit® C Push-In-Fittings

Pneufit® C Series

Push-In Fittings and Accessories - Metric

- Standard port size:
Ø4 ... 16 mm O/D tube,
ISO G and ISO R
- IMI Norgren Pneufit® C fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.
- Pneufit® C offers a broad range of over 1,000 composite push-in pneumatic fittings to complement our established all brass Pneufit® series
- Releasable stainless steel grab-ring to grip PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Vacuum	Thread sizes	Ambient/Media temperature	Tube sizes	Tubing types	Materials
10 bar (145 psi) max.	750 mm of Hg	M5, M6, 1/8, 1/4, 3/8 and 1/2 ISO G, ISO R and ISO Rc	-20°C ... +60°C (-4 ... 140°F)	4, 6, 8, 10, 12, 16 mm (depending on the design)	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (silicone free) u-packing and O-rings Threaded bodies: nickel plated brass Release sleeve and backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: chemitech G-175L

Warning:

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Union Y C0082



Equal

Ø Port Size	Thread Size	Model
4	4	C00820400
6	6	C00820600
8	8	C00820800
10	10	C00821000
12	12	C00821200

Unequal

Ø Port Size	Thread Size	Model
4	6	C00820604
4	8	C00820804
6	8	C00820806
6	10	C00821006
8	10	C00821008
8	12	C00821208
10	12	C00821210

Swivel Y adaptor C0288



Ø Port Size	Thread Size	Symbol	Model
4	M5	10	C02880405
4	M6	10	C02880406
4	G1/8	14	C02880418
4	G1/4	17	C02880428
4	G3/8	20	C02880438
6	M5	12	C02880605
6	M6	12	C02880606
6	G1/8	14	C02880618
6	G1/4	17	C02880628
6	G3/8	20	C02880638
6	G1/2	24	C02880648
8	G1/8	14	C02880818
8	G1/4	17	C02880828
8	G3/8	20	C02880838
8	G1/2	24	C02880848
10	G1/8	17	C02881018
10	G1/4	17	C02881028
10	G3/8	20	C02881038
10	G1/2	24	C02881048
12	G1/4	19	C02881228
12	G3/8	20	C02881238
12	G1/2	24	C02881248

Swivel Y adaptor C0188



Ø Port Size	Thread Size	⌀	Model
4	R1/8	10	C01880418
4	R1/4	14	C01880428
4	R3/8	17	C01880438
6	R1/8	12	C01880618
6	R1/4	14	C01880628
6	R3/8	17	C01880638
6	R1/2	21	C01880648
8	R1/8	14	C01880818
8	R1/4	14	C01880828
8	R3/8	17	C01880838
8	R1/2	21	C01880848
10	R1/8	17	C01881018
10	R1/4	17	C01881028
10	R3/8	17	C01881038
10	R1/2	21	C01881048
12	R1/8	19	C01881218
12	R1/4	19	C01881228
12	R3/8	19	C01881238
12	R1/2	22	C01881248

Stem Y C0084



Equal

Ø Port Size	Thread Size	Model
4	4	C00840400
6	6	C00840600
8	8	C00840800
10	10	C00841000
12	12	C00841200

Unequal

Ø Port Size	Thread Size	Model
4	6	C00840604
6	8	C00840806
8	10	C00841008
10	12	C00841210

Quadruple stem reducer C0096



Ø Port Size	Thread Size	Model
4	6	C00960604
6	8	C00960806

Quadruple Y union C0295



Ø Port Size	Thread Size	Symbol	Model
4	G1/8	14	C02950418
4	G1/4	17	C02950428
6	G1/8	14	C02950618
6	G1/4	17	C02950628

Quadruple Y union C0195



Ø Port Size	Thread Size	Symbol	Model
4	R1/8	12	C01950418
4	R1/4	14	C01950428
6	R1/8	14	C01950618
6	R1/4	14	C01950628

Quadruple reducer C0097



Ø Port Size	Thread Size	Model
4	6	C00970604
6	8	C00970806

Manifold union C00D3



Ø Port Size	Thread Size	Model
4	6	C00D30604
4	8	C00D30804
6	8	C00D30806
6	10	C00D31006
8	10	C00D31008

Stem manifold C00J3



Ø Port Size	Thread Size	Model
4	6	C00J30604
4	8	C00J30804
6	8	C00J30806
8	10	C00J31008

Male manifold C01D3



Ø Port Size	Thread Size	B		Model
4	6	R1/8	12	C01D30418
4	8	R1/8	14	C01D30428
6	8	R1/4	14	C01D30628
8	10	R3/8	17	C01D30838

2x Swivel elbow adaptor
C0Q51



Ø Port Size	Thread Size	⌀	Model
4	R1/8	14	C0Q510418
4	R1/4	17	C0Q510428
4	R3/8	21	C0Q510438
4	R1/2	24	C0Q510448
6	R1/8	14	C0Q510618
6	R1/4	17	C0Q510628
6	R3/8	21	C0Q510638
6	R1/2	24	C0Q510648
8	R1/8	14	C0Q510818
8	R1/4	17	C0Q510828
8	R3/8	21	C0Q510838
8	R1/2	24	C0Q510848
10	R1/8	14	C0Q511018
10	R1/4	17	C0Q511028
10	R3/8	21	C0Q511038
10	R1/2	24	C0Q511048
12	R1/4	17	C0Q511228
12	R3/8	21	C0Q511238
12	R1/2	24	C0Q511248

3x Swivel elbow adaptor
C0H51



Ø Port Size	Thread Size	⌀	Model
4	R1/8	14	C0H510418
4	R1/4	17	C0H510428
4	R3/8	21	C0H510438
4	R1/2	24	C0H510448
6	R1/8	14	C0H510618
6	R1/4	17	C0H510628
6	R3/8	21	C0H510638
6	R1/2	24	C0H510648
8	R1/8	14	C0H510818
8	R1/4	17	C0H510828
8	R3/8	21	C0H510838
8	R1/2	24	C0H510848
10	R1/8	14	C0H511018
10	R1/4	17	C0H511028
10	R3/8	21	C0H511038
10	R1/2	24	C0H511048
12	R1/4	17	C0H511228
12	R3/8	21	C0H511238
12	R1/2	24	C0H511248

2x Swivel elbow adaptor C0B51



Ø Port Size	Thread Size		Model
4	G1/8	14	C0B510418
4	G1/4	17	C0B510428
4	G3/8	21	C0B510438
4	G1/2	24	C0B510448
6	G1/8	14	C0B510618
6	G1/4	17	C0B510628
6	G3/8	21	C0B510638
6	G1/2	24	C0B510648
8	G1/8	14	C0B510818
8	G1/4	17	C0B510828
8	G3/8	21	C0B510838
8	G1/2	24	C0B510848
10	G1/8	14	C0B511018
10	G1/4	17	C0B511028
10	G3/8	21	C0B511038
10	G1/2	24	C0B511048
12	G1/4	17	C0B511228
12	G3/8	21	C0B511238
12	G1/2	24	C0B511248

3x Swivel elbow adaptor C0C51



Ø Port Size	Thread Size		Model
4	G1/8	14	C0C510418
4	G1/4	17	C0C510428
4	G3/8	21	C0C510438
4	G1/2	24	C0C510448
6	G1/8	14	C0C510618
6	G1/4	17	C0C510628
6	G3/8	21	C0C510638
6	G1/2	24	C0C510648
8	G1/8	14	C0C510818
8	G1/4	17	C0C510828
8	G3/8	21	C0C510838
8	G1/2	24	C0C510848
10	G1/8	14	C0C511018
10	G1/4	17	C0C511028
10	G3/8	21	C0C511038
10	G1/2	24	C0C511048
12	G1/4	17	C0C511228
12	G3/8	21	C0C511238
12	G1/2	24	C0C511248

Double universal tee C0Q71



Ø Port Size	Thread Size	⌀	Model
4	R1/8	14	C0Q710418
4	R1/4	17	C0Q710428
4	R3/8	21	C0Q710438
4	R1/2	24	C0Q710448
6	R1/8	14	C0Q710618
6	R1/4	17	C0Q710628
6	R3/8	21	C0Q710638
6	R1/2	24	C0Q710648
8	R1/8	14	C0Q710818
8	R1/4	17	C0Q710828
8	R3/8	21	C0Q710838
8	R1/2	24	C0Q710848
10	R1/8	14	C0Q711018
10	R1/4	17	C0Q711028
10	R3/8	21	C0Q711038
10	R1/2	24	C0Q711048
12	R1/4	17	C0Q711228
12	R3/8	21	C0Q711238
12	R1/2	24	C0Q711248

Double universal tee C0B71



Ø Port Size	Thread Size	⌀	Model
4	G1/8	14	C0B710418
4	G1/4	17	C0B710428
4	G3/8	21	C0B710438
4	G1/2	24	C0B710448
6	G1/8	14	C0B710618
6	G1/4	17	C0B710628
6	G3/8	21	C0B710638
6	G1/2	24	C0B710648
8	G1/8	14	C0B710818
8	G1/4	17	C0B710828
8	G3/8	21	C0B710838
8	G1/2	24	C0B710848
10	G1/8	14	C0B711018
10	G1/4	17	C0B711028
10	G3/8	21	C0B711038
10	G1/2	24	C0B711048
12	G1/4	17	C0B711228
12	G3/8	21	C0B711238
12	G 1/2	24	C0B711248

Triple universal tee C0H71



Ø Port Size	Thread Size		Model
4	R1/8	14	C0H710418
4	R1/4	17	C0H710428
4	R3/8	21	C0H710438
4	R1/2	24	C0H710448
6	R1/8	14	C0H710618
6	R1/4	17	C0H710628
6	R3/8	21	C0H710638
6	R1/2	24	C0H710648
8	R1/8	14	C0H710818
8	R1/4	17	C0H710828
8	R3/8	21	C0H710838
8	R1/2	24	C0H710848
10	R1/8	14	C0H711018
10	R1/4	17	C0H711028
10	R3/8	21	C0H711038
10	R1/2	24	C0H711048
12	R1/4	17	C0H711228
12	R3/8	21	C0H711238
12	R1/2	24	C0H711248

Triple universal tee C0C71



Ø Port Size	Thread Size		Model
4	G1/8	14	C0C710418
4	G1/4	17	C0C710428
4	G3/8	21	C0C710438
4	G1/2	24	C0C710448
6	G1/8	14	C0C710618
6	G1/4	17	C0C710628
6	G3/8	21	C0C710638
6	G1/2	24	C0C710648
8	G1/8	14	C0C710818
8	G1/4	17	C0C710828
8	G3/8	21	C0C710838
8	G1/2	24	C0C710848
10	G1/8	14	C0C711018
10	G1/4	17	C0C711028
10	G3/8	21	C0C711038
10	G1/2	24	C0C711048
12	G1/4	17	C0C711228
12	G3/8	21	C0C711238
12	G 1/2	24	C0C711248

Branch adaptor CON70



Ø Port Size	Thread Size		Model
6	R1/8	11	CON700618
8	R1/4	15	CON700828
10	R1/4	15	CON701028
10	R3/8	19	CON701038
12	R3/8	19	CON701238
12	R1/2	24	CON701248

Branch adaptor C0A70



Ø Port Size	Thread Size		Model
4	M5	8	C0A700405
6	G1/8	8	C0A700618
8	G1/4	12	C0A700828
10	G1/4	12	C0A701028
10	G3/8	14	C0A701038
12	G3/8	14	C0A701238
12	G1/2	17	C0A701248

Branch adaptor (female) C0*7J



Ø Port Size	Thread Size		Model
6	R1/8	14	C0E7J0618
8	R1/4	17	C0F7J0828
10	R1/4	17	C0F7J1028
10	R3/8	21	C0G7J1038
12	R3/8	21	C0G7J1238
12	R1/2	24	C0H7J1248

Branch adaptor (female) C0*7K



Ø Port Size	Thread Size		Model
4	M5	8	C0D7K0405
6	G1/8	14	C0E7K0618
8	G1/4	17	C0F7K0828
10	G1/4	17	C0F7K1028
10	G3/8	21	C0G7K1038
12	G3/8	21	C0G7K1238
12	G1/2	24	C0H7K1248

Double branch adaptor C0Q70



Ø Port Size	Thread Size	⌀	Model
4	R1/8	14	C0Q700418
4	R1/4	17	C0Q700428
4	R3/8	21	C0Q700438
4	R1/2	24	C0Q700448
6	R1/8	14	C0Q700618
6	R1/4	17	C0Q700628
6	R3/8	21	C0Q700638
6	R1/2	24	C0Q700648
8	R1/8	14	C0Q700818
8	R1/4	17	C0Q700828
8	R3/8	21	C0Q700838
8	R1/2	24	C0Q700848
10	R1/8	14	C0Q701018
10	R1/4	17	C0Q701028
10	R3/8	21	C0Q701038
10	R1/2	24	C0Q701048
12	R1/4	17	C0Q701228
12	R3/8	21	C0Q701238
12	R1/2	24	C0Q701248

Double branch adaptor C0B70



Ø Port Size	Thread Size	⌀	Model
4	G1/8	14	C0B700418
4	G1/4	17	C0B700428
4	G3/8	21	C0B700438
4	G1/2	24	C0B700448
6	G1/8	14	C0B700618
6	G1/4	17	C0B700628
6	G3/8	21	C0B700638
6	G1/2	24	C0B700648
8	G1/8	14	C0B700818
8	G1/4	17	C0B700828
8	G3/8	21	C0B700838
8	G1/2	24	C0B700848
10	G1/8	14	C0B701018
10	G1/4	17	C0B701028
10	G3/8	21	C0B701038
10	G1/2	24	C0B701048
12	G1/4	17	C0B701228
12	G3/8	21	C0B701238
12	G 1/2	24	C0B701248

Triple branch adaptor C0H70



Ø Port Size	Thread Size		Model
4	R1/8	14	C0H700418
4	R1/4	17	C0H700428
4	R3/8	21	C0H700438
4	R1/2	24	C0H700448
6	R1/8	14	C0H700618
6	R1/4	17	C0H700628
6	R3/8	21	C0H700638
6	R1/2	24	C0H700648
8	R1/8	14	C0H700818
8	R1/4	17	C0H700828
8	R3/8	21	C0H700838
8	R1/2	24	C0H700848
10	R1/8	14	C0H701018
10	R1/4	17	C0H701028
10	R3/8	21	C0H701038
10	R1/2	24	C0H701048
12	R1/4	17	C0H701228
12	R3/8	21	C0H701238
12	R1/2	24	C0H701248

Triple branch adaptor C0C70



Ø Port Size	Thread Size		Model
4	G1/8	14	C0C700418
4	G1/4	17	C0C700428
4	G3/8	21	C0C700438
4	G1/2	24	C0C700448
6	G1/8	14	C0C700618
6	G1/4	17	C0C700628
6	G3/8	21	C0C700638
6	G1/2	24	C0C700648
8	G1/8	14	C0C700818
8	G1/4	17	C0C700828
8	G3/8	21	C0C700838
8	G1/2	24	C0C700848
10	G1/8	14	C0C701018
10	G1/4	17	C0C701028
10	G3/8	21	C0C701038
10	G1/2	24	C0C701048
12	G1/4	17	C0C701228
12	G3/8	21	C0C701238
12	G 1/2	24	C0C701248

Pneufit® D Push-In-Fittings

Pneufit® D Acetal (POM) Push-In Fittings, Metric



- Tube size:
Ø4 ... 12 mm O/D tube
 - ISO G, ISO R and UNF threads
 - Developed for potable water, beverages, drinks dispense and compressed air applications
 - FDA approved material ensuring safety, certified to NSF 51, 61
 - Compliant with Food Contact
- Materials - Regulation (EC) 1935/2004
 - Quick one touch connection and disconnection without need of tools
 - Food grade EPDM sealing
 - Optional locking clip



Operating pressure	Thread sizes	Operating temperature	Tube sizes	Standards	Tube materials	Materials
Nominal range: vacuum to 16 bar, dependant on temperature and tube size, see table below for details	1/8", 1/4", 3/8", 1/2" ISO G, ISO R, UNF	Nominal range: 0 to +60°C dependant on pressure and tube size see table below for details	4, 6, 8, 10, 12mm	Conforms to BS ISO 14743	Polyethylene (PE), Polyamide (PA), Polyurethane (PU)	Body and cover: POM Collet: POM and SUS Sealing: EPDM Additional ranges: Inch tube sizes Food and beverage compliance and certification NSF 51, 61 EC 1935/2004 MOCA ICIM

Union Y D0082



Ø Port Size	Thread Size	Weight (g)	Pack size *	Model
4	13,8	6,7	10	D00820400
6	15,5	9,2	10	D00820600
8	17,6	11,6	10	D00820800
10	20,0	16,8	5	D00821008
10	20,0	16,0	5	D00821000
12	23,0	26,3	5	D00821200

* Pack size (sealed bag quantity) = minimum order quantity

Pneufit® M Push-In-Fittings

Pneufit® M Push-In Fittings, Metric

- Port size: Ø3, 4 and 6 mm O/D tube
- Miniature Pneufit® M an ultra compact alternative where space is at a premium
- Releasable stainless-steel grab-ring to grip
- PA or PUR tube (85 or 95 durometer)
- Nickel plated brass components provide corrosion and contamination resistance and an extended life.
- Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing



Operating pressure	Thread sizes	Ambient/Media temperature	Tube sizes	Tube types	Materials
10 bar (145 psi) max.	M3, M5, M6, R1/8 and Rc1/8	-20°C ... +60°C (+32 ... +140°F)	3, 4, and 6 mm	PA 11 or 12 PUR 85, 95 or 98 durometer	Body: PBT Seals: NBR (VMQ free) u-packing and O-rings Threaded bodies: nickel plated brass Backing ring: POM Grab-ring: stainless steel Collar: nickel plated brass Thread sealant: Chemitech G-175L

Union Y
M0082



Equal

Ø Port Size	Model
3	M00820300
4	M00820400
6	M00820600

Unequal

Ø Port Size	Thread Size	Model
4	3	M00820403
6	3	M00820603
6	4	M00820604

Push-On-Fittings

24 Series Push-On Tube Fittings

- Port size:
Ø4/2,5 ... 15/12,5 mm
(OD/ID tube)
- Neat, compact design
- Precision machined for
complete reliability
- Corrosion resistant
- Unique barb shape ensures
good grip on tube even if
fitting is tightened by hand
- Ideal for use in
confined spaces
where tight bend
radii are required



Operating pressure	Thread sizes	Ambient/Media temperature	Tube sizes	Tube types	Materials
15 bar (218 psi) maximum	M5, 1/8", 1/4", 3/8" or 1/2"	-20°C ... +80°C (-4 ... +176°F)	4/2,5 mm, 5/3 mm, 6/4 mm, 8/6 mm, 10/8 mm, 12/10 mm, 15/12,5 mm OD/ID	PUR or PA extra flexibility	Nut and body: Nickel plated brass 'O' ring: NBR 70 Sealing washer: PA 66 All raw materials & manufacturing processes are Silicon Free

Tee elbow banjo assembly with seals

24A71



Ø Port Size	Thread Size		Model
4/2,5	M5	single	24A710405
4/2,5	G1/8	single	24A710418
5/3	M5	single	24A710505
5/3	G1/8	single	24A710518
6/4	M5	single	24A710605
6/4	G1/8	single	24A710618
6/4	G1/4	single	24A710628
6/4	G3/8	single	24A710638
8/6	G1/8	single	24A710818
8/6	G1/4	single	24A710828
8/6	G3/8	single	24A710838

Ø Port Size	Thread Size		Model
8/6	G1/2	single	24A710848
12/10	G3/8	single	24A711238
12/10	G1/2	single	24A711248
4/2,5	G1/8	double	24B710418
6/4	G1/4	double	24B710628
8/6	G1/4	double	24B710828
10/8	G1/4	double	24B711028
4/2,5	G1/8	triple	24C710418
6/4	G1/4	triple	24C710628
10/8	G1/4	triple	24C711028

Elbow banjo assembly with seals 24A51



Ø Port Size	Thread Size		Model
4/2,5	M5	single	24A510405
4/2,5	G1/8	single	24A510418
5/3	M5	single	24A510505
5/3	G1/8	single	24A510518
6/4	M5	single	24A510605
6/4	G1/8	single	24A510618
6/4	G1/4	single	24A510628
6/4	G3/8	single	24A510638
8/6	G1/8	single	24A510818
8/6	G1/4	single	24A510828
8/6	G3/8	single	24A510838
10/8	G1/4	single	24A511028
12/10	G3/8	single	24A511238

Ø Port Size	Thread Size		Model
12/10	G1/2	single	24A511248
4/2,5	G1/8	double	24B510418
5/3	G1/8	double	24B510518
6/4	G1/8	double	24B510618
6/4	G1/4	double	24B510628
8/6	G1/4	double	24B510828
10/8	G1/4	double	24B511028
10/8	G1/2	double	24B511048
12/10	G3/8	double	24B511238
4/2,5	G1/8	triple	24C510418
6/4	G1/4	triple	24C510628
8/6	G1/4	triple	24C510828
10/8	G1/4	triple	24C511028

15/16 Series Thread Connectors

15 and 16 Series Thread Connectors

- ISO G, ISO R and NPT threads
- Port size: M5, 1/8" ... 1"
- Extensive range of shapes and sizes including manifolds
- High temperature and pressure aluminium sealing washers supplied with ISO G threads



Operating pressure	Thread forms	Ambient/Media temperature	Materials
Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts and M5 units). In these cases pressure is limited to 18 bar (261 psi). Flow regulating banjos are limited to 1 ... 10 bar (1 ... 145 psi) operating range. Suitable for vacuum applications.	Parallel BSP - ISO 228 Taper BSP - ISO 7 Metric - ISO 262 Taper NPTF - ASME B1.20.1	Generally limited by tubing specification except where polyamide sealing washers are used (banjo bolts, & M5 units). In these cases temperature is limited to -20 ... +70°C (-4 ... 158°F)	Body of the fittings are made from Brass type; OT UNI EN 12164/5 CW 614/7N and undergo to a nickel-plating process. Other materials will be specified with the fitting details. All ISO G male threads supplied with flat aluminium washer unless stated otherwise.

ISO G - Cross block 16094 Aluminium



Port Size	Model
G1/8	160940018
G1/4	160940028
G3/8	160940038
G1/2	160940048

ISO G - Manifold - single sided 34050 Brass



Numbers of outputs: 4

Ø Port Size	Thread Size	Model
G1/4	G1/4	34050402
G3/8	G3/8	34050403

Numbers of outputs: 6

Ø Port Size	Thread Size	Model
G1/4	G1/4	34050602

ISO G - Manifold - single sided
162B4 and 162B6
 Aluminium



Numbers of outputs: 4

Ø Port Size	Thread Size	Model
G1/4	G1/8	162B42818
G3/8	G1/4	162B43828
G1/2	G3/8	162B44838

Numbers of outputs: 6

Ø Port Size	Thread Size	Model
G1/4	G1/8	162B62818
G3/8	G1/4	162B63828
G1/2	G3/8	162B64838

ISO G - Manifold - double sided
162C4 and 162C6
 Aluminium



Numbers of outputs: 8

Ø Port Size	Thread Size	Model
G1/4	G1/8	162C42818
G3/8	G1/4	162C43828
G1/2	G3/8	162C44838

Numbers of outputs: 12

Ø Port Size	Thread Size	Model
G1/4	G1/8	162C62818
G3/8	G1/4	162C63828
G1/2	G3/8	162C64838

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