

PD-G Male Run Tee Push-to-Connect Pneumatic Fitting

Three-way tube branching with a central male threaded equipment connection



Product Overview

The HOMIPNEU PD-G fitting is a male run tee push-to-connect connector for distributing compressed air while connecting directly to a threaded equipment port. Its three-way body combines two equal tube connections with a central male thread, reducing the number of separate fittings required in compact pneumatic layouts. A nickel-plated brass threaded section and O-ring sealing system support corrosion resistance, reliable sealing and convenient installation.

Key Features

- Three-way male run tee structure for branch airflow distribution.
- Central male threaded port for direct equipment or manifold connection.
- Two push-to-connect tube ports enable fast installation without special tools.
- Nickel-plated brass thread section provides corrosion resistance and durability.
- O-ring sealing supports stable, leak-resistant pneumatic performance.
- Available for tube outside diameters from 4 mm to 16 mm.

Applications

- Pneumatic control panels and industrial automation equipment.
- Air distribution systems requiring two tube branches from one threaded port.
- Machinery, packaging, assembly and material-handling systems.
- Compact installations where connector count and piping space must be reduced.

Product Function

PD-G fittings connect a pneumatic component or manifold through the male threaded center port and route airflow to two push-in tube connections. This integrated arrangement simplifies branch piping and supports clean, space-efficient system design.

Technical Specifications

Parameter	Specification
Product Type	Male run tee push-to-connect pneumatic fitting
Structure	Three-way tee with central male threaded port
Connection	Tube to thread
Thread Type	BSPP (G) / BSPT / metric
Body Material	Engineering plastic with nickel-plated brass thread section
Seal Type	O-ring seal
Operating Fluid	Air and vacuum
Working Pressure	0-1.0 MPa
Proof Pressure	Up to 1.5 MPa
Temperature Range	0-60 deg C
Lock Claw	Stainless steel
Applicable Tubing	PU / nylon / PE / PVC tube

Product Structure and Size Range

- Tube sizes: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm and 16 mm.
- Thread options include M5, G1/8, G1/4, G3/8 and G1/2.
- Two equal push-to-connect tube ports are arranged across the tee body.
- The center male thread installs directly into a valve, cylinder, manifold or machine port.

Installation and Operating Guidance

- Cut the tube squarely and remove burrs or surface damage before insertion.
- Insert each tube fully until it reaches the internal stop.
- Apply appropriate thread sealing practice for the selected port type without blocking the air passage.
- Tighten the male thread using the metal hex section; do not rotate the plastic body under load.
- Pressurize the system gradually and check the thread and both tube connections for leakage.

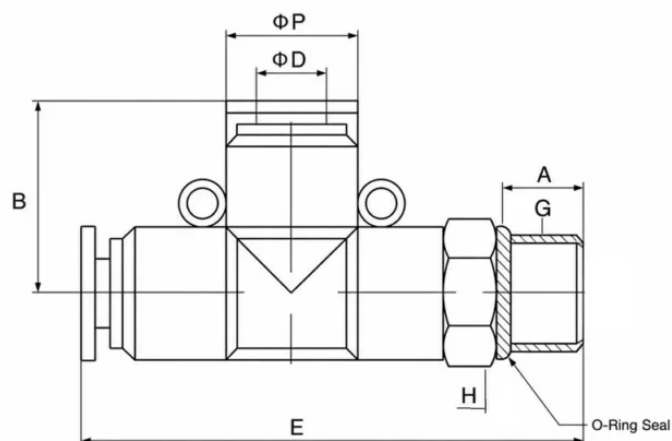
Maintenance and Safety Notes

- Depressurize the pneumatic circuit before installation, adjustment or tube removal.
- Keep tube sealing surfaces and release rings clean and free from particles.
- Do not exceed the specified pressure or temperature range.
- Replace the fitting if the body, thread, release ring or sealing area is damaged.

Ordering Information

Specify the PD-G model, tube outside diameter, male thread size, required quantity and preferred body color. OEM and ODM services are available for tube sizes, thread options, packaging and branding, subject to production confirmation.

Dimension Drawing



Model Selection and Dimensions

Model	D x 2	G	A	B	H	E	P x 2
PD4-M5	4	M5	3.5	36	10	39.5	11
PD4-G01	4	G1/8	5.5	36	12	41.5	11
PD4-G02	4	G1/4	6.5	36	15	42.5	11
PD6-M5	6	M5	3.5	40	12	43.5	13
PD6-G01	6	G1/8	5.5	40	12	45.5	13
PD6-G02	6	G1/4	6.5	40	15	46.5	13
PD6-G03	6	G3/8	7.5	40	19	47.5	13
PD6-G04	6	G1/2	9.5	40	24	50	13
PD8-G01	8	G1/8	5.5	44	14	49	15
PD8-G02	8	G1/4	6.5	44	15	50	15
PD8-G03	8	G3/8	7.5	44	19	51	15
PD8-G04	8	G1/2	9.5	44	24	53.5	15
PD10-G01	10	G1/8	5.5	52	17	56.5	18.5
PD10-G02	10	G1/4	6.5	52	17	57.5	18.5
PD10-G03	10	G3/8	7.5	52	19	58.5	18.5
PD10-G04	10	G1/2	9.5	52	24	61	18.5
PD12-G01	12	G1/8	5.5	56	19	60.5	21
PD12-G02	12	G1/4	6.5	56	19	61.5	21
PD12-G03	12	G3/8	7.5	56	19	62.5	21
PD12-G04	12	G1/2	9.5	56	24	65	21
PD14-G02	14	G1/4	6.5	62	22	67	23
PD14-G03	14	G3/8	7.5	62	22	68	23
PD14-G04	14	G1/2	9.5	62	24	70	23
PD16-G02	16	G1/4	6.5	66	24	71	25.5
PD16-G03	16	G3/8	7.5	66	24	72	25.5
PD16-G04	16	G1/2	9.5	66	24	74	25.5

All dimensions are in millimetres. D and P indicate tube-related outside diameters.

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.

Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China

Email: vivilian@homipneu.com

Phone / WhatsApp: +86 136 0580 6063

Website: <https://homipneu.com>