

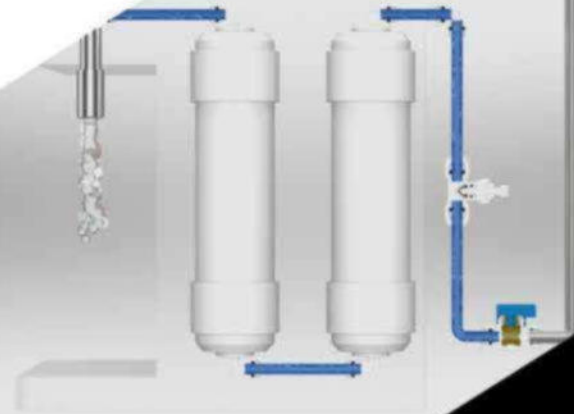
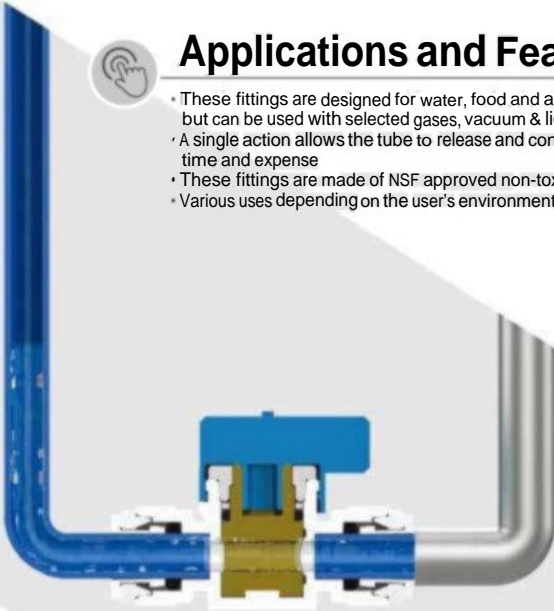


Applications and Features

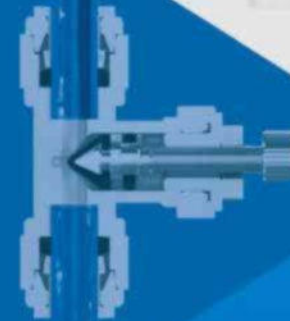
- These fittings are designed for water, food and air contact but can be used with selected gases, vacuum & liquids
- A single action allows the tube to release and connect easily, saving time and expense
- These fittings are made of NSF approved non-toxic materials
- Various uses depending on the user's environment and application



W270 KTW



PUSH-IN FITTINGS



Specifications

- These fittings are designed for water, food and air contact
- Fluid type : Water, Beverages
- Working pressure : 0-230PSI / 0-16kgf/cm
- Working temperature : 34-140° F / 0-60°C
- Applicable Tube : Polyethylene(PE), Polyamide(PA), and Polyurethane(PU)
- Reference data(next page)

Structural Diagram



- ORING (EPDM)
- CASE (POM)
- COVER (POM)
- SLEEVE (POM+SUS)

Naturally high-quality, improved by technology.

Product Code System

METRIC - **BSPT(R)**

HPC 06 - R01

FITTING FOR WATER APPLICATION	TUBE DIA		THREAD SIZE	
	CODE	SIZE	R(P/T)	THREAD
	04	Ø4		
	06	Ø6	R01	R1/8
	08	Ø8	R02	R1/4
	10	Ø10	R03	R3/8
	12	Ø12	R04	R1/2

METRIC - **BSPP(G)**

HPC 04 - G01

FITTING FOR WATER APPLICATION	TUBE DIA		THREAD SIZE	
	CODE	SIZE	G(P/F)	THREAD
	04	Ø4		
	05	Ø5	G01	G1/8
	06	Ø6	G02	G1/4
	08	Ø8	G03	G3/8
	10	Ø10	G04	G1/2
	12	Ø12	G05	G5/8
	15	Ø15	G06	G3/4
	22	Ø22		

INCH - **NPT**

HPC 5/32 - N01

FITTING FOR WATER APPLICATION	TUBE DIA		NPT THREAD	
	CODE	SIZE	CODE	SIZE
	5/32	Ø5/32	N01	NPT1/8
	3/16	Ø3/16	N02	NPT1/4
	1/4	Ø1/4	N03	NPT3/8
	5/16	Ø5/16	N04	NPT1/2
	3/8	Ø3/8		
	1/2	Ø1/2		

• Maximum Torque Values for BSP, BSPT and NPT Plastic Threads

Threads	1/8"	1/4"	3/8"	1/2"	3/4"
Max. Torque	1.5Nm	1.5Nm	3.0Nm	3.0Nm	4.0Nm

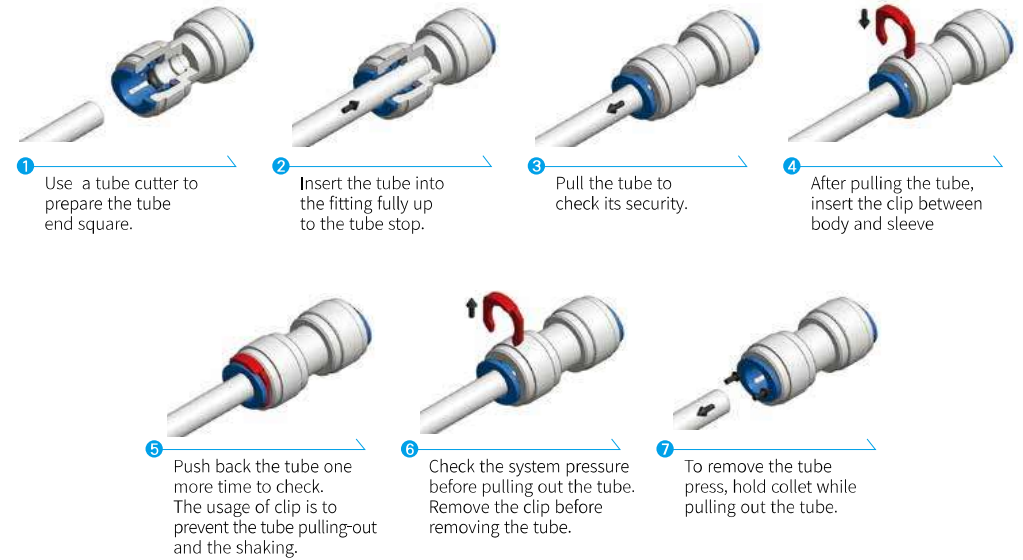
Reference data

- Fluid type : **Water, Beverages**
- Tube type : **Polyethylene(PE), Polyamide(PA) and Polyurethane(PU)**
- Working Pressure & Temperatures

∅	°C	-20°C	1°C	25°C	70°C	98°C
4mm	0Bar→8Bar with dry air only		-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
5/32"			-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
6mm			-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
3/16"-1/4"			-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
8mm			-750 mmHg→20 Bar	-750 mmHg→20 Bar	-750 mmHg→16 Bar	-750 mmHg→10 Bar
5/16"			-750 mmHg→16 Bar	-750 mmHg→16 Bar	-750 mmHg→14 Bar	-750 mmHg→10 Bar
10mm			-750 mmHg→14 Bar	-750 mmHg→14 Bar	-750 mmHg→8 Bar	-750 mmHg→6 Bar
3/8"			-750 mmHg→14 Bar	-750 mmHg→14 Bar	-750 mmHg→8 Bar	-750 mmHg→6 Bar
12mm			-750 mmHg→14 Bar	-750 mmHg→14 Bar	-750 mmHg→8 Bar	-750 mmHg→6 Bar
1/2"			-750 mmHg→14 Bar	-750 mmHg→14 Bar	-750 mmHg→8 Bar	-750 mmHg→6 Bar
15mm						
22mm						

- Temperatures and Pressures indicated refers to NSF standards limits, Please contact our technical department for higher temperature and /or pressure application needs.
- System performances always depend from fittings, tubes and possible other items and accessories used. It is a responsibility for users to cross check the technical characteristics of each single component in order to avoid possible failures and dangers.

Connection & Disconnection



PUSH-IN FITTINGS

Fittings For Water Application
METRIC FITTINGS

Black Acetal Fittings | Black

Metric size fitting is manufactured in black acetal copolymer with food grade EPDM O-ring. They are suitable for water, liquids foods, air & gas

- One-touch type enabling easy to attach and detach, safe use
- Cork-type allowing excellent sealing function and high durability against leakage.
- Made of FDA-approved material ensuring its safety, certified as NSF 51, 61
- Food and beverage fittings with oval sleeves

Male Connector

HPC



PART NO.	TUBE (Metric)	THREAD (R)	Qty/Box
HPC 04R01	04	R1/8	100
HPC 06R01	06	R1/8	100
HPC 06R02	06	R1/4	100
HPC 06R03	06	R3/8	50
HPC 08R01	08	R1/8	100
HPC 08R02	08	R1/4	50
HPC 08R03	08	R3/8	50
HPC 08R04	08	R1/2	50
HPC 10R02	10	R1/4	50
HPC 10R03	10	R3/8	50
HPC 10R04	10	R1/2	50
HPC 12R03	12	R3/8	50
HPC 12R04	12	R1/2	50

PART NO.	TUBE (Metric)	THREAD (NPT)	Qty/Box
HPC 06-N03	06	NPT3/8	50
HPC 12-N04	12	NPT1/2	50

HPC-G



PART NO.	TUBE (Metric)	THREAD (G)	Qty/Box
HPC 04G01	04	G1/8	100
HPC 04G02	04	G1/4	100
HPC 06G01	06	G1/8	100
HPC 06G02	06	G1/4	100
HPC 08G01	08	G1/8	100
HPC 08G02	08	G1/4	50
HPC 08G03	08	G3/8	50
HPC 08G04	08	G1/2	50
HPC 10G02	10	G1/4	50
HPC 10G03	10	G3/8	50
HPC 10G04	10	G1/2	25
HPC 12G03	12	G3/8	25
HPC 12G04	12	G1/2	25

Metric Fitting

Female Adapter

HCF-G



PART NO.	TUBE (Metric)	THREAD (G)	Qty/Box
HCF 04G01	04	G1/8	50
HCF 06G01	06	G1/8	50
HCF 06G02	06	G1/4	50
HCF 06G03	06	G3/8	50
HCF 08G01	08	G1/8	50
HCF 08G02	08	G1/4	50
HCF 08G03	08	G3/8	50
HCF 08G04	08	G1/2	25
HCF 10G02	10	G1/4	50
HCF 10G03	10	G3/8	25
HCF 10G04	10	G1/2	25
HCF 10G05	10	G5/8	25
HCF 12G02	12	G1/4	50
HCF 12G03	12	G3/8	25
HCF 12G04	12	G1/2	25

PART NO.	TUBE (Metric)	THREAD (UNF)	Qty/Box
HCF 06-UNF 7/16-20	06	7/16-20	50
HCF 08-UNF 7/16-20	08	7/16-20	50
HCF 10-UNF 7/16-20	10	7/16-20	50

PART NO.	TUBE (Metric)	THREAD (UNS)	Qty/Box
HCF 06-UNS 7/16-24	06	7/16-24	50
HCF 08-UNS 7/16-24	08	7/16-24	50

HCF-NH



PART NO.	TUBE (Metric)	THREAD (NH)	Qty/Box
HCF 06-NH06	06	NH 3/4	20
HCF 08-NH06	08	NH 3/4	20
HCF 10-NH06	10	NH 3/4	20

HCF-G

PART NO.	TUBE (Metric)	THREAD (G)	Qty/Box
HCF 08G06	08	G3/4	20
HCF 10G06	10	G3/4	20

PUSH-IN FITTINGS

Metric Fitting

Stem Adapter

HCJ	PART NO.	STEM O.D (Metric)	THREAD (R)	Qty/Box
	HCJ 04R01	04	R1/8	100
	HCJ 04R02	04	R1/4	100
	HCJ 06R01	06	R1/8	100
	HCJ 06R02	06	R1/4	100
	HCJ 08R01	08	R1/8	100
	HCJ 08R02	08	R1/4	50
	HCJ 08R03	08	R3/8	50
	HCJ 10R02	10	R1/4	50
	HCJ 10R03	10	R3/8	50
	HCJ 10R04	10	R1/2	25
	HCJ 12R03	12	R3/8	50
	HCJ 12R04	12	R1/2	25

Stem Adapter

HCJ-G	PART NO.	STEM O.D (Metric)	THREAD (G)	Qty/Box
	HCJ 04G01	04	G1/8	100
	HCJ 04G02	04	G1/4	100
	HCJ 06G01	06	G1/8	100
	HCJ 06G02	06	G1/4	100
	HCJ 08G01	08	G1/8	100
	HCJ 08G02	08	G1/4	50
	HCJ 08G03	08	G3/8	50
	HCJ 10G02	10	G1/4	50
	HCJ 10G03	10	G3/8	50
	HCJ 10G04	10	G1/2	25
	HCJ 12G03	12	G3/8	50
	HCJ 12G04	12	G1/2	25

Male Elbow

HPL	PART NO.	TUBE (Metric)	THREAD (R)	Qty/Box
	HPL 04R01	04	R1/8	100
	HPL 04R02	04	R1/4	50
	HPL 06R01	06	R1/8	100
	HPL 06R02	06	R1/4	50
	HPL 06R03	06	R3/8	50
	HPL 08R02	08	R1/4	50
	HPL 08R03	08	R3/8	50
	HPL 10R02	10	R1/4	50
	HPL 10R03	10	R3/8	50
	HPL 12R02	12	R1/4	25
	HPL 12R03	12	R3/8	25
	HPL 12R04	12	R1/2	25

PART NO.	TUBE (Metric)	THREAD (NPT)	Qty/Box
HPL 06-N01	06	NPT1/8	100
HPL 06-N02	06	NPT1/4	50
HPL 06-N03	06	NPT3/8	50
HPL 12-N04	12	NPT1/2	25

Stem Elbow

HLJ	PART NO.	STEM O.D (Metric)	TUBE (Metric)	Qty/Box
	HLJ 04-04	04	04	100
	HLJ 06-06	06	06	100
	HLJ 06-08	06	08	100
	HLJ 08-08	08	08	50
	HLJ 10-06	10	06	50
	HLJ 10-08	10	08	50
	HLJ 10-10	10	10	50
	HLJ 12-12	12	12	25

Stem Reducer

HGJ	PART NO.	STEM O.D (Metric)	TUBE (Metric)	Qty/Box
	HGJ 04-05	04	05	100
	HGJ 06-04	06	04	100
	HGJ 08-04	08	04	100
	HGJ 08-06	08	06	50
	HGJ 08-08	08	08	50
	HGJ 08-10	08	10	50
	HGJ 10-06	10	06	50
	HGJ 10-08	10	08	50
	HGJ 12-08	12	08	25
	HGJ 12-10	12	10	25

Bulkhead Connector

HMM	PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Box
	HMM 04-04	04	04	50
	HMM 06-04	06	04	50
	HMM 06-06	06	06	50
	HMM 08-06	08	06	25
	HMM 08-08	08	08	25
	HMM 10-10	10	10	25
	HMM 12-12	12	12	20

PART NO.	TUBE (Metric)	TUBE (Inch)	Qty/Box
HMM 06-1/4	06	1/4	50

PUSH-IN FITTINGS

Metric Fitting

Union Connector

HUC	PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Box
	HUC 0404	04	04	100
	HUC 0604	06	04	100
	HUC 0605	06	05	100
	HUC 0606	06	06	100
	HUC 0804	08	04	50
	HUC 0806	08	06	50
	HUC 0808	08	08	50
	HUC 1006	10	06	50
	HUC 1008	10	08	50
	HUC 1010	10	10	50
	HUC 1208	12	08	25
	HUC 1210	12	10	25
	HUC 1212	12	12	25

Union Elbow

HUL	PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Box
	HUL 0404	04	04	100
	HUL 0604	06	04	100
	HUL 0606	06	06	100
	HUL 0804	08	04	50
	HUL 0806	08	06	50
	HUL 0808	08	08	50
	HUL 1006	10	06	50
	HUL 1008	10	08	50
	HUL 1010	10	10	50
	HUL 1206	12	06	25
	HUL 1208	12	08	25
	HUL 1210	12	10	25
	HUL 1212	12	12	25

PART NO.	TUBE (Inch)	TUBE (Metric)	Qty/Box
HUL 1/4-06	1/4	06	100

Union Tee

HUT	PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Box
	HUT 0404	04	04	100
	HUT 0606	06	06	50
	HUT 0808	08	08	50
	HUT 1010	10	10	25
	HUT 1212	12	12	20

PART NO.	TUBE (Metric)	TUBE (Metric)	TUBE (Metric)	Qty/Box
HUT 100608	10	06	08	25
HUT 100610	10	06	10	25
HUT 121012	12	10	12	20

Two Way Divider

HUY	PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Box
	HUY 0404	04	04	100
	HUY 0606	06	06	50
	HUY 0808	08	08	50
	HUY 1008	10	08	25
	HUY 1010	10	10	25
	HUY 1212	12	12	20

Female Plug

HPF	PART NO.	TUBE (Metric)	Qty/Box
	HPF 04	04	100
	HPF 06	06	100
	HPF 08	08	100
	HPF 10	10	100
	HPF 12	12	50

Male Plug

HPP	PART NO.	STEM O.D (Metric)	Qty/Box
	HPP 04	04	200
	HPP 06	06	200
	HPP 08	08	100
	HPP 10	10	100
	HPP 12	12	100

Branch Stem Tee

HSJ



PART NO.	STEM O.D (Metric)	TUBE (Metric)	Qty/Box
HSJ 0404	04	04	100
HSJ 0606	06	06	50
HSJ 0808	08	08	50
HSJ 1010	10	10	25
HSJ 1212	12	12	20

Union Cross

HZA



PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Box
HZA 0606	06	06	25
HZA 0808	08	08	20
HZA 1010	10	10	20

Barb Connector

HCBB



PART NO.	TUBE (Metric)	Stem I.D (Metric)	Qty/Box
HCBB 1210	12	10	25

Stem Tee

HTJ



PART NO.	STEM O.D (Metric)	TUBE (Metric)	Qty/Box
HTJ 0808	08	08	25

Offset Connector

HUGL



PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Box
HUGL 1208	12	08	25

Stem Barb Connector

HCJB



PART NO.	STEM O.D (Metric)	TUBE I.D (Metric)	Qty/Box
HCJB 0604	06	04	100
HCJB 0606	06	06	100
HCJB 0806	08	06	100
HCJB 1006	10	06	100
HCJB 1008	10	08	100
HCJB 1010	10	10	100
HCJB 1210	12	12	100

Stem Barb Elbow Connector

HLJB



PART NO.	STEM O.D (Metric)	TUBE I.D (Metric)	Qty/Box
HLJB 1006	10	06	100
HLJB 1008	10	08	100


LARGE SIZE FITTINGS

Fittings for Water Application


Large Size Fitting

- One-touch type enabling easy to attach and detach, safe use
- Cork-type allowing excellent sealing function and high durability against leakage
- FDA-approved material ensuring its safety, certified as NSF 51, 61
- Food and beverage fittings with oval sleeves


Male Connector

HPC-G	PART NO.	TUBE (Metric)	THREAD (G)	Qty/Bag
	HPC 15G04	15	G1/2	20
	HPC 15G06	15	G3/4	20
	HPC 22G06	22	G3/4	20


Female Adapter

HCF-G	PART NO.	TUBE (Metric)	THREAD (G)	Qty/Bag
	HCF 15G04	15	G1/2	25
	HCF 15G06	15	G3/4	20

Stem Adapter

HCJ-G	PART NO.	STEM O.D (Metric)	THREAD (G)	Qty/Bag
	HCJ 15G03	15	G3/8	25
	HCJ 15G04	15	G1/2	25
	HCJ 22G04	22	G1/2	20
	HCJ 22G06	22	G3/4	20


Stem Elbow

HLJ	PART NO.	STEM O.D (Metric)	TUBE (Metric)	Qty/Bag
	HLJ 1515	15	15	20
	HLJ 2222	22	22	20


LARGE SIZE FITTINGS

Metric Fitting


Stem Adapter

HGJ	PART NO.	STEM O.D (Metric)	TUBE (Metric)	Qty/Bag
	HGJ 15-10	15	10	25
	HGJ 15-12	15	12	25
	HGJ 22-15	22	15	20


Union Connector

HUC	PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Bag
	HUC 1515	15	15	20
	HUC 2222	22	22	9


Union Elbow

HUL	PART NO.	TUBE (Metric)	TUBE (Metric)	Qty/Bag
	HUL 1515	15	15	20
	HUL 2222	22	22	9


Union Tee

HUT	PART NO.	TUBE(M) ØD1	TUBE(M) ØD2	Qty/Bag
	HUT 151515	15	15	9
	HUT 221222	22	12	6
	HUT 221522	22	15	6
	HUT 222222	22	22	6


Female Plug

HPF	PART NO.	TUBE (Metric)	Qty/Bag
	HPF 15	15	50
	HPF 22	22	20

Male Plug

HPP	PART NO.	STEM O.D (Metric)	Qty/Bag
	HPP 15	15	50
	HPP 22	22	25

Barb Connector

HCBB	PART NO.	TUBE (Metric)	STEM I.D (Inch)	Qty/Bag
	HCBB 15-1/2	15	1/2	20
	HCBB 22-1/2	22	1/2	20
	HCBB 22-3/4	22	3/4	20