Sang-A

SANG-A PNEUMATIC CO., LTD.

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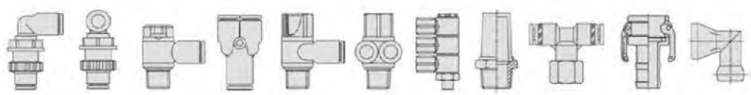
202008

FUNCTIONAL FITTINGS



[SANG-A PNEUMATIC]

Stainless Steel 316 Fittings 4

Heat Resistant Fittings 16

Chemical Resistant Fittings 34

Health Care Fittings 52

Application & Feature

- One-touch joints used in the food and chemical industry.
- Used for a wide variety of models to meet all needs.
- Suitable for use in hot fluids and environments.
- Excellent in chemical resistance and a product made of suitable material for use in chemical and pharmaceutical industries.
- Stainless steel body having high strength and excellent durability.
- Easy to connect/disconnect tube by one touch.
- Flexible for directional tube laying given its revolving construction of body.
- The parts are washed, assembled and packed in a clean room.

Specification

Fluid	Water, Air, OIL, Steam	
Working Pressure Range	0~290psi	0~20kgf/㎠(0~2MPa)
Temperature Range	-4℉~302℉	-20~200℃
Applicable Tube Material	Plastic pipe / tube	

Produce Code System

PL	08	02
①	②	③

① TYPE

② Tube Dia (øD)

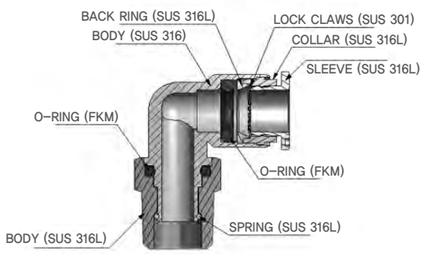
Code	04	06	08	10	12
Dia	ø4	ø6	ø8	ø10	ø12

③ Thread Size *Metric Thread & R(PT) Thread

	Metric size	Taper Pipe Thread			
Code	M5	01	02	03	04
Size	M5x0.8	R1/8	R1/4	R3/8	R1/2

	Taper Pipe Thread			
Code	G01	G02	G03	G04
Size	G1/8	G1/4	G3/8	G1/2

Structural Diagram



Stainless Steel 316 Fittings

F-PC(R) (Male Straight)

F-PC(G) (Male Straight)

F-PL(R) (Male Elbow)

F-PL(G) (Male Elbow)

F-PT(R) (Male Branch Tee)

F-PT(G) (Male Branch Tee)

F-PUC (Union Straight)

F-PUL (Union Elbow)

F-PUT (Union Tee)

F-PCF(R) (Female Straight)

F-PCF(G) (Female Straight)

F-PMF(R) (Bulkhead Female Straight)

F-PMF(G) (Bulkhead Female Straight)

F-PCJ(R) (Plug-in Male)

F-PCJ(G) (Plug-in Male)

F-PGJ (Plug-In Reducer)

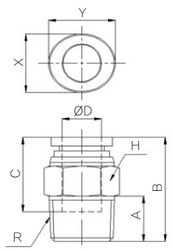
F-PMM (Bulkhead Union)

CAUTION

1. Avoid randomly product change.
2. Never over pushing to assemble product, it may cause damage.
3. Please check leakage before built.

F-PC(R)

(Male Straight)

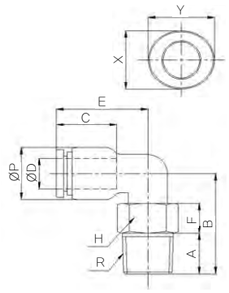


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
96010402	F-PC 04M5	4.0	4.0	20.4	14.9	10.0	M5	8.6	10.5	8.7	50
96010411	F-PC 0401	4.0	8.0	22.5	14.9	10.0	PT1/8	8.6	10.5	11.6	50
96010602	F-PC 06M5	6.0	4.0	21.7	15.8	13.0	M5	11.0	12.5	14.4	50
96010611	F-PC 0601	6.0	8.0	22.3	15.8	13.0	PT1/8	11.0	12.5	15.2	50
96010612	F-PC 0602	6.0	11.0	25.3	15.8	14.0	PT1/4	11.0	12.5	23.4	50
96010811	F-PC 0801	8.0	8.0	26.7	17.8	14.0	PT1/8	13.0	14.5	16.8	50
96010812	F-PC 0802	8.0	11.0	26.2	17.8	14.0	PT1/4	13.0	14.5	20.8	50
96011012	F-PC 1002	10.0	11.0	32.7	19.8	17.0	PT1/4	16.0	17.5	31.7	40
96011013	F-PC 1003	10.0	12.0	27.7	19.8	17.0	PT3/8	16.0	17.5	31.8	25
96011213	F-PC 1203	12.0	12.0	31.3	22.4	20.0	PT3/8	19.5	21.5	41.3	25
96011214	F-PC 1204	12.0	15.0	32.3	22.4	21.0	PT1/2	19.5	21.5	56.7	25

F-PL(R)

(Male Elbow)



(mm)

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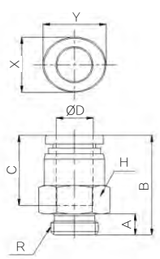
96020402	F-PL 04M5	4.0	10.0	4.0	18.0	14.9	19.0	8.0	M5	8.6	10.5	13.2	50
96020411	F-PL 0401	4.0	10.0	8.0	22.0	14.9	19.0	8.0	PT1/8	8.6	10.5	17.7	50
96020602	F-PL 06M5	6.0	13.0	4.0	18.0	15.8	21.3	8.0	M5	11.0	12.5	20.3	50
96020611	F-PL 0601	6.0	13.0	8.0	23.5	15.8	21.3	8.0	PT1/8	11.0	12.5	24.1	50
96020612	F-PL 0602	6.0	13.0	11.0	26.5	15.8	21.3	8.0	PT1/4	11.0	12.5	32.3	40
96020811	F-PL 0801	8.0	14.0	8.0	24.0	17.8	24.7	8.0	PT1/8	13.0	14.5	27.8	40
96020812	F-PL 0802	8.0	14.0	11.0	27.0	17.8	24.7	8.0	PT1/4	13.0	14.5	34.5	40
96021012	F-PL 1002	10.0	16.7	11.0	28.0	19.8	26.7	8.0	PT1/4	16.0	17.5	45.4	20
96021013	F-PL 1003	10.0	16.7	12.0	29.0	19.8	26.7	8.0	PT3/8	16.0	17.5	53.5	20
96021213	F-PL 1203	12.0	19.7	12.0	30.5	22.4	29.3	8.0	PT3/8	19.5	21.5	68.9	20
96021214	F-PL 1204	12.0	19.7	15.0	33.5	22.4	29.3	8.0	PT1/2	19.5	21.5	87.4	20

F-PC(G)

(Male Straight)



(mm)

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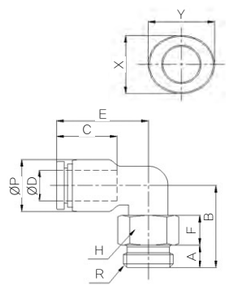
96010431	F-PC 04G01	4.0	5.3	19.8	14.9	14.0	PF1/8	8.6	10.5	13.3	50
96010631	F-PC 06G01	6.0	5.3	23.1	15.8	14.0	PF1/8	11.0	12.5	16.4	50
96010632	F-PC 06G02	6.0	6.0	20.3	15.8	17.0	PF1/4	11.0	12.5	22.5	50
96010831	F-PC 08G01	8.0	5.3	25.5	17.8	14.0	PF1/8	13.0	14.5	17.5	50
96010832	F-PC 08G02	8.0	6.0	21.7	17.8	17.0	PF1/4	13.0	14.5	21.0	50
96011032	F-PC 10G02	10.0	6.0	28.2	19.8	17.0	PF1/4	16.0	17.5	27.6	40
96011033	F-PC 10G03	10.0	7.0	24.7	19.8	21.0	PF3/8	16.0	17.5	34.6	25
96011233	F-PC 12G03	12.0	7.0	31.8	22.4	21.0	PF3/8	19.5	21.5	45.5	25
96011234	F-PC 12G04	12.0	8.5	28.8	22.4	24.0	PF1/2	19.5	21.5	53.9	25

F-PL(G)

(Male Elbow)

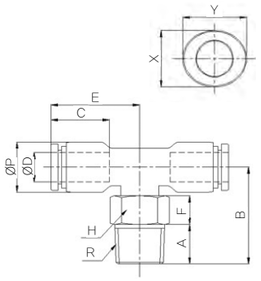


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	X	Y	W.G(g)	Q'ty/ inbox
96020431	F-PL 04G01	4.0	10.0	5.3	19.3	14.9	19.0	8.0	PF1/8	8.6	10.5	19.0	50
96020631	F-PL 06G01	6.0	13.0	5.3	20.8	15.8	21.3	8.0	PF1/8	11.0	12.5	25.4	50
96020632	F-PL 06G02	6.0	13.0	6.0	21.5	15.8	21.3	8.0	PF1/4	11.0	12.5	33.5	40
96020831	F-PL 08G01	8.0	14.0	5.3	21.3	17.8	24.7	8.0	PF1/8	13.0	14.5	29.1	40
96020832	F-PL 08G02	8.0	14.0	6.0	22.0	17.8	24.7	8.0	PF1/4	13.0	14.5	35.8	40
96021032	F-PL 10G02	10.0	16.7	6.0	23.0	19.8	26.7	8.0	PF1/4	16.0	17.5	46.7	20
96021033	F-PL 10G03	10.0	16.7	7.0	24.0	19.8	26.7	8.0	PF3/8	16.0	17.5	53.1	20
96021233	F-PL 12G03	12.0	19.7	7.0	25.5	22.4	29.3	8.0	PF3/8	19.5	21.5	68.6	20
96021234	F-PL 12G04	12.0	19.7	8.5	27.0	22.4	29.3	8.0	PF1/2	19.5	21.5	81.7	20

F-PT(R)

(Male Branch Tee)

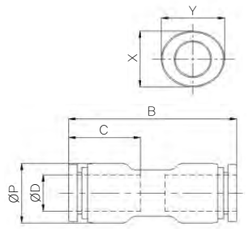


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	X	Y	W.G(g)	Q'ty/ inbox
96030411	F-PT 0401	4.0	10.0	8.0	22.0	14.9	19.0	8.0	PT1/8	8.6	10.5	25.1	50
96030611	F-PT 0601	6.0	13.0	8.0	23.5	15.8	21.3	8.0	PT1/8	11.0	12.5	35.5	40
96030612	F-PT 0602	6.0	13.0	11.0	26.5	15.8	21.3	8.0	PT1/4	11.0	12.5	43.7	40
96030811	F-PT 0801	8.0	14.0	8.0	24.0	17.8	24.7	8.0	PT1/8	13.0	14.5	40.7	40
96030812	F-PT 0802	8.0	14.0	11.0	27.0	17.8	24.7	8.0	PT1/4	13.0	14.5	47.6	25
96031012	F-PT 1002	10.0	16.7	11.0	28.0	19.8	26.7	8.0	PT1/4	16.0	17.5	64.9	20
96031013	F-PT 1003	10.0	16.7	12.0	29.0	19.8	26.7	8.0	PT3/8	16.0	17.5	72.0	20
96031213	F-PT 1203	12.0	19.7	12.0	30.5	22.4	29.3	8.0	PT3/8	19.5	21.5	95.7	15
96031214	F-PT 1204	12.0	19.7	15.0	33.5	22.4	29.3	8.0	PT1/2	19.5	21.5	114.9	15

F-PUC

(Union Straight)

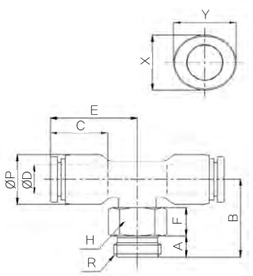


(mm)

CODE	MODEL	ØD	ØP	B	C	X	Y	W.G(g)	Q'ty/ inbox
96040400	F-PUC 04	4.0	10.0	35.0	14.9	8.6	10.5	14.5	50
96040600	F-PUC 06	6.0	13.0	37.5	15.8	11.0	12.5	24.1	40
96040800	F-PUC 08	8.0	14.0	43.4	17.8	13.0	14.5	27.8	40
96041000	F-PUC 10	10.0	16.7	47.4	19.8	16.0	17.5	41.2	25
96041200	F-PUC 12	12.0	19.7	51.6	22.4	19.5	21.5	61.1	20

F-PT(G)

(Male Branch Tee)

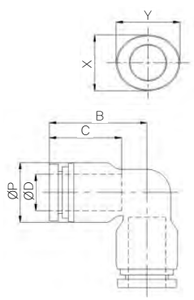


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	X	Y	W.G(g)	Q'ty/ inbox
96030431	F-PT 04G01	4.0	10.0	8.0	22.0	14.9	19.0	8.0	PF1/8	8.6	10.5	26.3	50
96030631	F-PT 06G01	6.0	13.0	8.0	23.5	15.8	21.3	8.0	PF1/8	11.0	12.5	36.8	40
96030632	F-PT 06G02	6.0	13.0	11.0	26.5	15.8	21.3	8.0	PF1/4	11.0	12.5	45.0	40
96030831	F-PT 08G01	8.0	14.0	8.0	24.0	17.8	24.7	8.0	PF1/8	13.0	14.5	42.0	40
96030832	F-PT 08G02	8.0	14.0	11.0	27.0	17.8	24.7	8.0	PF1/4	13.0	14.5	48.9	25
96031032	F-PT 10G02	10.0	16.7	11.0	28.0	19.8	26.7	8.0	PF1/4	16.0	17.5	66.2	20
96031033	F-PT 10G03	10.0	16.7	12.0	29.0	19.8	26.7	8.0	PF3/8	16.0	17.5	71.7	20
96031233	F-PT 12G03	12.0	19.7	12.0	30.5	22.4	29.3	8.0	PF3/8	19.5	21.5	95.4	15
96031234	F-PT 12G04	12.0	19.7	15.0	33.5	22.4	29.3	8.0	PF1/2	19.5	21.5	109.2	15

F-PUL

(Union Elbow)

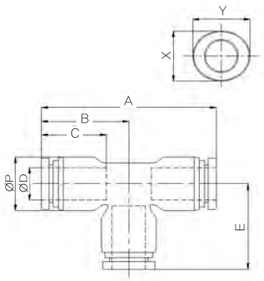


(mm)

CODE	MODEL	ØD	ØP	B	C	X	Y	W.G(g)	Q'ty/ inbox
96050400	F-PUL 04	4.0	10.0	19.0	14.9	8.6	10.5	15.1	50
96050600	F-PUL 06	6.0	13.0	21.3	15.8	11.0	12.5	25.7	40
96050800	F-PUL 08	8.0	14.0	24.7	17.8	13.0	14.5	30.2	40
96051000	F-PUL 10	10.0	16.7	26.7	19.8	16.0	17.5	44.7	25
96051200	F-PUL 12	12.0	19.7	29.3	22.4	19.5	21.5	66.1	20

F-PUT

(Union Tee)

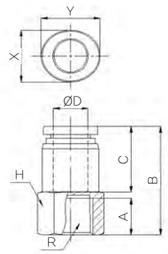


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	X	Y	W.G(g)	Q'ty/ inbox
96060400	F-PUT 04	4.0	10.0	38.0	19.0	14.9	19.0	8.6	10.5	22.0	50
96060600	F-PUT 06	6.0	13.0	42.5	21.3	15.8	21.3	11.0	12.5	37.2	40
96060800	F-PUT 08	8.0	14.0	49.4	24.7	17.8	24.7	13.0	14.5	43.3	30
96061000	F-PUT 10	10.0	16.7	53.4	26.7	19.8	26.7	16.0	17.5	63.3	20
96061200	F-PUT 12	12.0	19.7	58.6	29.3	22.4	29.3	19.5	21.5	93.6	15

F-PCF(G)

(Female Straight)



(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
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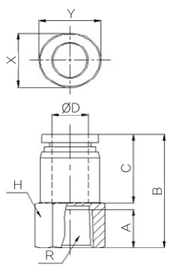
96230641	F-PCF 06G01	6.0	9.0	25.8	15.8	13.0	PF1/8	11.0	12.5	19.1	50
96230642	F-PCF 06G02	6.0	12.0	28.8	15.8	17.0	PF1/4	11.0	12.5	28.4	40
96230841	F-PCF 08G01	8.0	9.0	27.7	17.8	14.0	PF1/8	13.0	14.5	21.8	40
96230842	F-PCF 08G02	8.0	12.0	30.7	17.8	17.0	PF1/4	13.0	14.5	29.2	40
96231042	F-PCF 10G02	10.0	12.0	32.7	19.8	17.0	PF1/4	16.0	17.5	35.0	40
96231043	F-PCF 10G03	10.0	13.0	33.7	19.8	19.0	PF3/8	16.0	17.5	36.2	20
96231243	F-PCF 12G03	12.0	13.0	36.3	22.4	20.0	PF3/8	19.5	21.5	50.3	20
96231244	F-PCF 12G04	12.0	16.0	39.3	22.4	24.0	PF1/2	19.5	21.5	63.5	20

F-PCF(R)

(Female Straight)

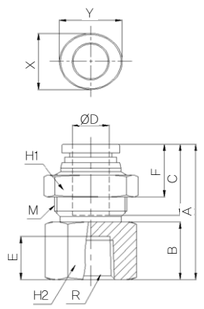


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
96230421	F-PCF 0401	4.0	9.0	24.8	14.9	13.0	PT1/8	8.6	10.5	15.1	50
96230621	F-PCF 0601	6.0	9.0	25.8	15.8	13.0	PT1/8	11.0	12.5	19.4	50
96230622	F-PCF 0602	6.0	12.0	28.8	15.8	17.0	PT1/4	11.0	12.5	29.0	40
96230821	F-PCF 0801	8.0	9.0	27.7	17.8	14.0	PT1/8	13.0	14.5	22.1	40
96230822	F-PCF 0802	8.0	12.0	30.7	17.8	17.0	PT1/4	13.0	14.5	29.8	40
96231022	F-PCF 1002	10.0	12.0	32.7	19.8	17.0	PT1/4	16.0	17.5	35.6	40
96231023	F-PCF 1003	10.0	13.0	33.7	19.8	19.0	PT3/8	16.0	17.5	37.2	20
96231223	F-PCF 1203	12.0	13.0	36.3	22.4	20.0	PT3/8	19.5	21.5	51.2	20
96231224	F-PCF 1204	12.0	16.0	39.3	22.4	24.0	PT1/2	19.5	21.5	65.4	20

F-PMF(R)

(Bulkhead Female Straight)

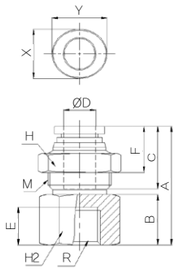


(mm)

CODE	MODEL	ØD	M	A	B	C	E	F	H1	H2	R	X	Y	W.G(g)	Q'ty/ inbox
96200421	F-PMF 0401	4.0	M12X1	25.5	11.0	14.9	9.0	10.6	14.0	14.0	PT1/8	8.6	10.5	24.1	50
96200621	F-PMF 0601	6.0	M15X1	26.8	9.0	15.8	9.0	11.3	17.0	17.0	PT1/8	11.0	12.5	35.3	40
96200622	F-PMF 0602	6.0	M15X1	31.8	14.0	15.8	12.0	11.3	17.0	17.0	PT1/4	11.0	12.5	39.7	40
96200821	F-PMF 0801	8.0	M17X1	30.4	9.0	17.8	9.0	13.8	19.0	19.0	PT1/8	13.0	14.5	48.6	40
96200822	F-PMF 0802	8.0	M17X1	35.4	14.0	17.8	12.0	13.8	19.0	19.0	PT1/4	13.0	14.5	55.3	40
96201022	F-PMF 1002	10.0	M20X1	32.7	13.0	19.8	12.0	14.4	22.0	22.0	PT1/4	16.0	17.5	73.0	40
96201023	F-PMF 1003	10.0	M20X1	34.7	15.0	19.8	13.0	14.4	22.0	22.0	PT3/8	16.0	17.5	71.2	20
96201223	F-PMF 1203	12.0	M24X1	37.4	14.0	22.4	13.0	16.4	24.0	24.0	PT3/8	19.5	21.5	99.8	20
96201224	F-PMF 1204	12.0	M24X1	41.4	18.0	22.4	16.0	16.4	24.0	24.0	PT1/2	19.5	21.5	99.2	20

F-PMF(G)

(Bulkhead Female Straight)

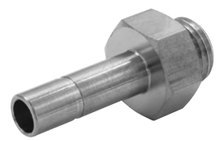


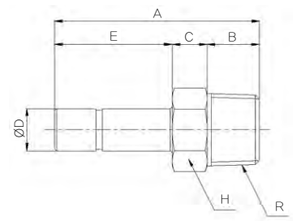
(mm)

CODE	MODEL	ØD	M	A	B	C	E	F	H1	H2	R	X	Y	W.G(g)	Q'ty/ inbox
96200441	F-PMF 04G01	4.0	M12X1	25.5	11.0	14.9	9.0	10.6	14.0	14.0	PF1/8	8.6	10.5	23.9	50
96200641	F-PMF 06G01	6.0	M15X1	26.8	9.0	15.8	9.0	11.3	17.0	17.0	PF1/8	11.0	12.5	35.1	40
96200642	F-PMF 06G02	6.0	M15X1	31.8	14.0	15.8	12.0	11.3	17.0	17.0	PF1/4	11.0	12.5	39.0	40
96200841	F-PMF 08G01	8.0	M17X1	30.4	9.0	17.8	9.0	13.8	19.0	19.0	PF1/8	13.0	14.5	48.3	40
96200842	F-PMF 08G02	8.0	M17X1	35.4	14.0	17.8	12.0	13.8	19.0	19.0	PF1/4	13.0	14.5	54.5	40
96201042	F-PMF 10G02	10.0	M20X1	32.7	13.0	19.8	12.0	14.4	22.0	22.0	PF1/4	16.0	17.5	72.3	40
96201043	F-PMF 10G03	10.0	M20X1	34.7	15.0	19.8	13.0	14.4	22.0	22.0	PF3/8	16.0	17.5	70.2	20
96201243	F-PMF 12G03	12.0	M24X1	37.4	14.0	22.4	13.0	16.4	24.0	24.0	PF3/8	19.5	21.5	98.8	20
96201244	F-PMF 12G04	12.0	M24X1	41.4	18.0	22.4	16.0	16.4	24.0	24.0	PF1/2	19.5	21.5	97.4	20

F-PCJ(G)

(Plug-in Male)



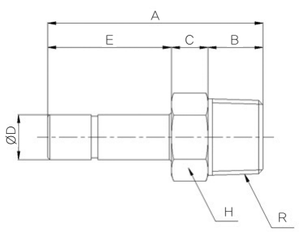


(mm)

CODE	MODEL	ØD	A	B	C	E	H	R	W.G(g)	Q'ty/ inbox
96540431	F-PCJ 04G01	4.0	31.3	5.3	8.0	18.0	13.0	PF1/8	12.6	100
96540631	F-PCJ 06G01	6.0	36.3	5.3	8.0	23.0	13.0	PF1/8	13.1	100
96540632	F-PCJ 06G02	6.0	37.0	6.0	8.0	23.0	17.0	PF1/4	22.4	50
96540831	F-PCJ 08G01	8.0	38.3	5.3	8.0	25.0	13.0	PF1/8	12.9	50
96540832	F-PCJ 08G02	8.0	39.0	6.0	8.0	25.0	17.0	PF1/4	22.2	50
96541032	F-PCJ 10G02	10.0	41.0	6.0	8.0	27.0	17.0	PF1/4	28.5	25
96541033	F-PCJ 10G03	10.0	42.0	7.0	8.0	27.0	21.0	PF3/8	34.2	25
96541233	F-PCJ 12G03	12.0	44.0	7.0	8.0	29.0	21.0	PF3/8	32.8	25
96541234	F-PCJ 12G04	12.0	45.5	8.5	8.0	29.0	24.0	PF1/2	49.3	25

F-PCJ(R)

(Plug-in Male)

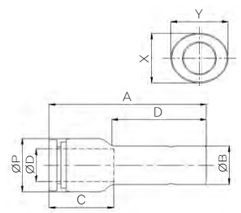


(mm)

CODE	MODEL	ØD	A	B	C	E	H	R	W.G(g)	Q'ty/ inbox
96540411	F-PCJ 0401	4.0	34.0	8.0	8.0	18.0	10.0	PT1/8	11.0	100
96540611	F-PCJ 0601	6.0	39.0	8.0	8.0	23.0	10.0	PT1/8	11.4	100
96540612	F-PCJ 0602	6.0	42.0	11.0	8.0	23.0	14.0	PT1/4	23.3	50
96540811	F-PCJ 0801	8.0	41.0	8.0	8.0	25.0	10.0	PT1/8	10.8	50
96540812	F-PCJ 0802	8.0	44.0	11.0	8.0	25.0	14.0	PT1/4	22.4	50
96541012	F-PCJ 1002	10.0	46.0	11.0	8.0	27.0	14.0	PT1/4	20.7	25
96541013	F-PCJ 1003	10.0	47.0	12.0	8.0	27.0	17.0	PT3/8	34.2	25
96541213	F-PCJ 1203	12.0	49.0	12.0	8.0	29.0	17.0	PT3/8	31.7	25
96541214	F-PCJ 1204	12.0	52.0	15.0	8.0	29.0	21.0	PT1/2	57.5	25

F-PGJ

(Plug-In Reducer)

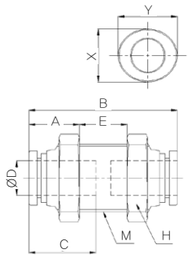


(mm)

CODE	MODEL	ØD	ØP	A	ΦB	C	E	X	Y	W.G(g)	Q'ty/ inbox
96184300	F-PGJ 0604	4.0	10.0	37.5	6.0	14.9	22.0	8.6	10.5	9.1	50
96184500	F-PGJ 0806	6.0	13.0	40.8	8.0	15.8	23.3	11.0	12.5	14.9	40
96184700	F-PGJ 1008	8.0	14.0	44.2	10.0	17.8	24.7	13.0	14.5	17.6	40
94185000	F-PGJ 1210	10.0	16.7	48.2	12.0	19.8	26.7	16.0	17.5	25.1	25

F-PMM

(Bulkhead Union)



(mm)

CODE	MODEL	ØD	M	A	B	C	E	H	X	Y	W.G(g)	Q'ty/ inbox
96190400	F-PMM 04	4.0	M12X1	10.6	31.0	14.9	9.8	17.0	8.6	10.5	29.6	50
96190600	F-PMM 06	6.0	M15X1	11.3	32.5	15.8	10.0	19.0	11.0	12.5	41.3	40
96190800	F-PMM 08	8.0	M17X1	13.8	36.4	17.8	8.8	22.0	13.0	14.5	53.1	40
96191000	F-PMM 10	10.0	M20X1	14.4	40.9	19.8	12.1	27.0	16.0	17.5	85.5	25
96191200	F-PMM 12	12.0	M24X1	16.4	45.8	22.4	13.0	30.0	19.5	21.5	127.6	20

Application & Feature

- Tube fitting of one-touch type for use in a high temperature, the chemical liquid and the liquid. (hot water, coffee, steam, etc.)
- Used for a wide variety of models to meet all needs.
- Product made of suitable material for use up to 150℃. (hot water, coffee, steam, etc.)
- Easy to connect/disconnect tube by one touch.
- Flexible for directional tube laying given its revolving construction of body.
- Elliptical sleeve makes it possible to apply and remove the tube easily in confined space.
- The parts are washed, assembled and packed in a clean room.

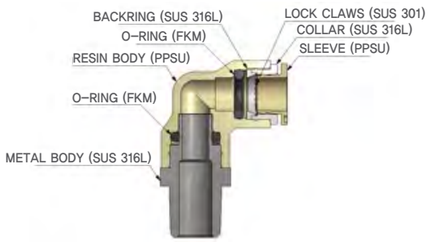
Specification

Fluid	Water, Steam, Air, Oil	
Working Pressure Range	0~290psi	0~20kgf/㎠(0~2MPa)
Temperature Range	-4℉~284℉	-20~150℃
Applicable Tube Material	Polyurethane and Nylon	

Maximum Usable Pressure

SIZE	ø4	ø6	ø8	ø10	ø12
20℃	0~20kgf/㎠		0~16kgf/㎠		
100℃	0~16kgf/㎠		0~12kgf/㎠		
140℃	0~10kgf/㎠		0~6kgf/㎠		

Structural Diagram



Produce Code System

PL	08	02
①	②	③

① TYPE
② Tube Dia (øD)

Code	04	06	08	10	12
Dia	ø4	ø6	ø8	ø10	ø12

③ Thread Size *Metric Thread & R(PT) Thread

	Metric size	Taper Pipe Thread			
Code	M5	01	02	03	04
Size	M5x0.8	R1/8	R1/4	R3/8	R1/2

	Taper Pipe Thread			
Code	G01	G02	G03	G04
Size	G1/8	G1/4	G3/8	G1/2

Heat Resistant Fittings

HR-PC(R) (Male Straight)

HR-PC(G) (Male Straight)

HR-PL (Male Elbow)

HR-PL(G) (Male Elbow)

HR-PT (Male Branch Tee)

HR-PT(G) (Male Branch Tee)

HR-PST (Male Run Tee)

HR-PST(G) (Male Run Tee)

HR-PUC (Union Straight)

HR-PUL (Union Elbow)

HR-PUT (Union Tee)

HR-PY (Union Y)

HR-PG (Reducer)

HR-PUG (Different Dia of Union Tee)

HR-PW (Reducer Y)

HR-PWT (Male Y)

HR-PWT(G) (Male Y)

HR-PCF(R) (Female Straight)

HR-PCF(G) (Female Straight)

HR-PLF (Female Elbow)

HR-PLF(G) (Female Elbow)

HR-PTF (Female Branch Tee)

HR-PTF(G) (Female Branch Tee)

HR-PSTF (Female Run Tee)

HR-PSTF(G) (Female Run Tee)

HR-PWF (Female Y)

HR-PWF(G) (Female Y)

HR-PLJ (Plug-in Elbow)

HR-PTJ (Plug-in Tee)

HR-PPM (Bulkhead Union P)

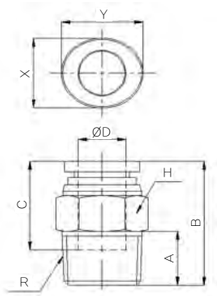
HR-PP (Plug)

CAUTION

1. Avoid randomly product change.
2. Never over pushing to assemble product, it may cause damage.
3. Please check leakage before built.

HR-PC(R)

(Male Straight)

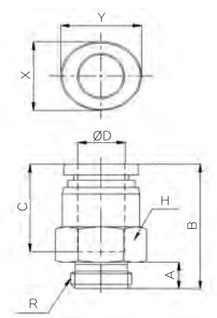


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
94010402	HR-PC 04M5	4.0	4.0	20.4	14.9	10.0	M5	8.6	10.8	7.7	50
94010411	HR-PC 0401	4.0	8.0	22.5	14.9	10.0	PT1/8	8.6	10.8	10.6	50
94010602	HR-PC 06M5	6.0	4.0	21.7	15.7	13.0	M5	11.0	13.0	13.3	50
94010611	HR-PC 0601	6.0	8.0	22.3	15.7	13.0	PT1/8	11.0	13.0	14.1	50
94010612	HR-PC 0602	6.0	11.0	25.3	15.7	14.0	PT1/4	11.0	13.0	22.3	50
94010811	HR-PC 0801	8.0	8.0	26.7	17.8	14.0	PT1/8	13.0	15.0	14.9	50
94010812	HR-PC 0802	8.0	11.0	26.2	17.8	14.0	PT1/4	13.0	15.0	18.9	50
94011012	HR-PC 1002	10.0	11.0	32.7	19.8	17.0	PT1/4	16.0	18.5	28.7	40
94011013	HR-PC 1003	10.0	12.0	27.7	19.8	17.0	PT3/8	16.0	18.5	28.8	25
94011213	HR-PC 1203	12.0	12.0	31.3	22.4	20.0	PT3/8	19.5	22.5	36.6	25
94011214	HR-PC 1204	12.0	15.0	32.3	22.4	21.0	PT1/2	19.5	22.5	52.0	25

HR-PC(G)

(Male Straight)

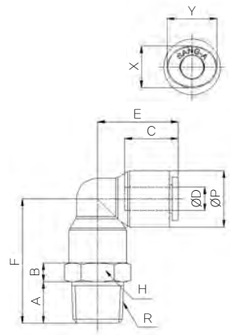


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
94010431	HR-PC 04G01	4.0	5.3	19.8	14.9	14.0	PF1/8	8.6	10.8	12.3	50
94010631	HR-PC 06G01	6.0	5.3	23.1	15.7	14.0	PF1/8	11.0	13.0	15.3	50
94010632	HR-PC 06G02	6.0	6.0	20.3	15.7	17.0	PF1/4	11.0	13.0	21.4	50
94010831	HR-PC 08G01	8.0	5.3	25.5	17.8	14.0	PF1/8	13.0	15.0	15.6	50
94010832	HR-PC 08G02	8.0	6.0	21.7	17.8	17.0	PF1/4	13.0	15.0	19.1	50
94011032	HR-PC 10G02	10.0	6.0	28.2	19.8	17.0	PF1/4	16.0	18.5	24.6	40
94011033	HR-PC 10G03	10.0	7.0	24.7	19.8	21.0	PF3/8	16.0	18.5	31.6	25
94011233	HR-PC 12G03	12.0	7.0	31.8	22.4	21.0	PF3/8	19.5	22.5	40.8	25
94011234	HR-PC 12G04	12.0	8.5	28.8	22.4	24.0	PF1/2	19.5	22.5	49.2	25

HR-PL

(Male Elbow)

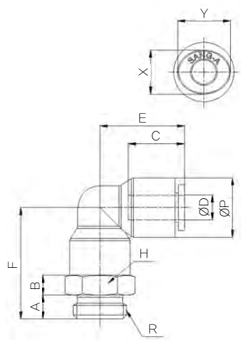


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
94020402	HR-PL 04M5	4.0	11.9	4.0	8.0	14.9	18.5	26.5	M5	13.0	8.6	10.8	18.5	50
94020411	HR-PL 0401	4.0	11.9	8.0	8.0	14.9	18.5	30.5	PT 1/8	13.0	8.6	10.8	21.2	50
94020412	HR-PL 0402	4.0	11.9	11.0	8.0	14.9	18.5	33.5	PT 1/4	14.0	8.6	10.8	29.5	50
94020602	HR-PL 06M5	6.0	14.9	4.0	8.0	15.7	21.0	29.0	M5	15.0	11.0	13.0	28.1	50
94020611	HR-PL 0601	6.0	14.9	8.0	8.0	15.7	21.0	33.0	PT 1/8	15.0	11.0	13.0	29.6	40
94020612	HR-PL 0602	6.0	14.9	11.0	8.0	15.7	21.0	36.0	PT 1/4	15.0	11.0	13.0	36.3	40
94020811	HR-PL 0801	8.0	16.9	8.0	8.0	17.8	23.6	35.0	PT 1/8	17.0	13.0	15.0	33.3	40
94020812	HR-PL 0802	8.0	16.9	11.0	8.0	17.8	23.6	38.0	PT 1/4	17.0	13.0	15.0	39.5	40
94020813	HR-PL 0803	8.0	16.9	12.0	8.0	17.8	23.6	39.0	PT 3/8	17.0	13.0	15.0	48.2	25
94021012	HR-PL 1002	10.0	19.5	11.0	8.0	19.8	26.4	40.0	PT 1/4	20.0	16.0	18.5	50.0	25
94021013	HR-PL 1003	10.0	19.5	12.0	8.0	19.8	26.4	41.0	PT 3/8	20.0	16.0	18.5	58.4	20
94021014	HR-PL 1004	10.0	19.5	15.0	8.0	19.8	26.4	44.0	PT 1/2	21.0	16.0	18.5	78.9	20
94021212	HR-PL 1202	12.0	23.5	11.0	8.0	22.4	30.9	44.0	PT 1/4	24.0	19.5	22.5	77.7	20
94021213	HR-PL 1203	12.0	23.5	12.0	8.0	22.4	30.9	45.0	PT 3/8	24.0	19.5	22.5	78.0	20
94021214	HR-PL 1204	12.0	23.5	15.0	8.0	22.4	30.9	48.0	PT 1/2	24.0	19.5	22.5	95.5	20

HR-PL(G)

(Male Elbow)

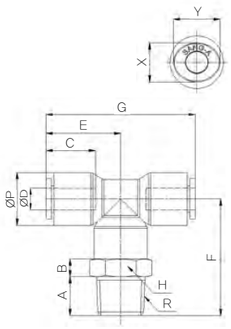


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
94020431	HR-PL 04G01	4.0	11.9	5.3	8.0	14.9	18.5	27.8	PF 1/8	13.0	8.6	10.8	19.0	50
94020432	HR-PL 04G02	4.0	11.9	6.0	8.0	14.9	18.5	28.5	PF 1/4	17.0	8.6	10.8	28.4	50
94020631	HR-PL 06G01	6.0	14.9	5.3	8.0	15.7	21.0	30.3	PF 1/8	15.0	11.0	13.0	27.6	40
94020632	HR-PL 06G02	6.0	14.9	6.0	8.0	15.7	21.0	31.0	PF 1/4	17.0	11.0	13.0	33.8	40
94020831	HR-PL 08G01	8.0	16.9	5.3	8.0	17.8	23.6	32.3	PF 1/8	17.0	13.0	15.0	31.7	40
94020832	HR-PL 08G02	8.0	16.9	6.0	8.0	17.8	23.6	33.0	PF 1/4	17.0	13.0	15.0	34.3	40
94020833	HR-PL 08G03	8.0	16.9	7.0	8.0	17.8	23.6	34.0	PF 3/8	20.0	13.0	15.0	45.1	25
94021032	HR-PL 10G02	10.0	19.5	6.0	8.0	19.8	26.4	35.0	PF 1/4	20.0	16.0	18.5	45.5	25
94021033	HR-PL 10G03	10.0	19.5	7.0	8.0	19.8	26.4	36.0	PF 3/8	20.0	16.0	18.5	50.1	25
94021034	HR-PL 10G04	10.0	19.5	8.5	8.0	19.8	26.4	37.5	PF 1/2	24.0	16.0	18.5	69.3	20
94021232	HR-PL 12G02	12.0	23.5	6.0	8.0	22.4	30.9	39.0	PF 1/4	24.0	19.5	22.5	73.2	20
94021233	HR-PL 12G03	12.0	23.5	7.0	8.0	22.4	30.9	40.0	PF 3/8	24.0	19.5	22.5	70.7	20
94021234	HR-PL 12G04	12.0	23.5	8.5	8.0	22.4	30.9	41.5	PF 1/2	24.0	19.5	22.5	79.9	20

HR-PT

(Male Branch Tee)

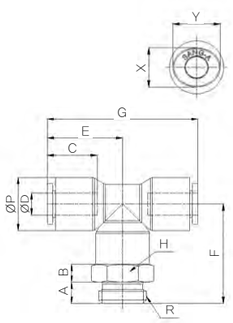


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94030402	HR-PT 04M5	4.0	11.9	4.0	8.0	14.9	18.5	26.5	37.0	M5	13.0	8.6	10.8	22.4	50
94030411	HR-PT 0401	4.0	11.9	8.0	8.0	14.9	18.5	30.5	37.0	PT 1/8	13.0	8.6	10.8	25.0	50
94030412	HR-PT 0402	4.0	11.9	11.0	8.0	14.9	18.5	33.5	37.0	PT 1/4	14.0	8.6	10.8	33.4	50
94030602	HR-PT 06M5	6.0	14.9	4.0	8.0	15.7	21.0	29.0	42.0	M5	15.0	11.0	13.0	35.6	40
94030611	HR-PT 0601	6.0	14.9	8.0	8.0	15.7	21.0	33.0	42.0	PT 1/8	15.0	11.0	13.0	37.1	40
94030612	HR-PT 0602	6.0	14.9	11.0	8.0	15.7	21.0	36.0	42.0	PT 1/4	15.0	11.0	13.0	43.8	40
94030811	HR-PT 0801	8.0	16.9	8.0	8.0	17.8	23.6	35.0	47.2	PT 1/8	17.0	13.0	15.0	41.4	40
94030812	HR-PT 0802	8.0	16.9	11.0	8.0	17.8	23.6	38.0	47.2	PT 1/4	17.0	13.0	15.0	47.6	25
94030813	HR-PT 0803	8.0	16.9	12.0	8.0	17.8	23.6	39.0	47.2	PT 3/8	17.0	13.0	15.0	56.3	25
94031012	HR-PT 1002	10.0	19.5	11.0	8.0	19.8	26.4	40.0	52.8	PT 1/4	20.0	16.0	18.5	60.8	20
94031013	HR-PT 1003	10.0	19.5	12.0	8.0	19.8	26.4	41.0	52.8	PT 3/8	20.0	16.0	18.5	69.3	20
94031014	HR-PT 1004	10.0	19.5	15.0	8.0	19.8	26.4	44.0	52.8	PT 1/2	21.0	16.0	18.5	89.7	20
94031212	HR-PT 1202	12.0	23.5	11.0	8.0	22.4	30.9	44.0	61.8	PT 1/4	24.0	19.5	22.5	94.6	15
94031213	HR-PT 1203	12.0	23.5	12.0	8.0	22.4	30.9	45.0	61.8	PT 3/8	24.0	19.5	22.5	94.9	15
94031214	HR-PT 1204	12.0	23.5	15.0	8.0	22.4	30.9	48.0	61.8	PT 1/2	24.0	19.5	22.5	112.4	15

HR-PT(G)

(Male Branch Tee)

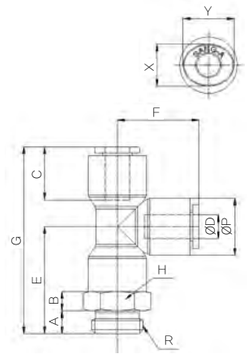


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94030431	HR-PT 04G01	4.0	11.9	5.3	8.0	14.9	18.5	27.8	37.0	PF 1/8	13.0	8.6	10.8	22.9	50
94030432	HR-PT 04G02	4.0	11.9	6.0	8.0	14.9	18.5	28.5	37.0	PF 1/4	17.0	8.6	10.8	32.3	50
94030631	HR-PT 06G01	6.0	14.9	5.3	8.0	15.7	21.0	30.3	42.0	PF 1/8	15.0	11.0	13.0	35.1	40
94030632	HR-PT 06G02	6.0	14.9	6.0	8.0	15.7	21.0	31.0	42.0	PF 1/4	17.0	11.0	13.0	41.3	40
94030831	HR-PT 08G01	8.0	16.9	5.3	8.0	17.8	23.6	32.3	47.2	PF 1/8	17.0	13.0	15.0	39.8	40
94030832	HR-PT 08G02	8.0	16.9	6.0	8.0	17.8	23.6	33.0	47.2	PF 1/4	17.0	13.0	15.0	42.5	25
94030833	HR-PT 08G03	8.0	16.9	7.0	8.0	17.8	23.6	34.0	47.2	PF 3/8	20.0	13.0	15.0	53.2	25
94031032	HR-PT 10G02	10.0	19.5	6.0	8.0	19.8	26.4	35.0	52.8	PF 1/4	20.0	16.0	18.5	56.4	20
94031033	HR-PT 10G03	10.0	19.5	7.0	8.0	19.8	26.4	36.0	52.8	PF 3/8	20.0	16.0	18.5	60.9	20
94031034	HR-PT 10G04	10.0	19.5	8.5	8.0	19.8	26.4	37.5	52.8	PF 1/2	24.0	16.0	18.5	80.1	20
94031232	HR-PT 12G02	12.0	23.5	6.0	8.0	22.4	30.9	39.0	61.8	PF 1/4	24.0	19.5	22.5	90.1	15
94031233	HR-PT 12G03	12.0	23.5	7.0	8.0	22.4	30.9	40.0	61.8	PF 3/8	24.0	19.5	22.5	87.6	15
94031234	HR-PT 12G04	12.0	23.5	8.5	8.0	22.4	30.9	41.5	61.8	PF 1/2	24.0	19.5	22.5	96.8	15

HR-PST

(Male Run Tee)

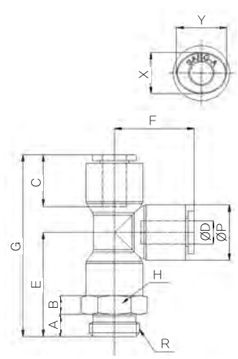


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94070402	HR-PST 04M5	4.0	11.9	4.0	8.0	14.9	26.5	18.5	45.0	M5	13.0	8.6	10.8	22.4	50
94070411	HR-PST 0401	4.0	11.9	8.0	8.0	14.9	30.5	18.5	49.0	PT 1/8	13.0	8.6	10.8	25.0	50
94070412	HR-PST 0402	4.0	11.9	11.0	8.0	14.9	33.5	18.5	52.0	PT 1/4	14.0	8.6	10.8	33.4	40
94070602	HR-PST 06M5	6.0	14.9	4.0	8.0	15.7	29.0	21.0	50.0	M5	15.0	11.0	13.0	35.6	40
94070611	HR-PST 0601	6.0	14.9	8.0	8.0	15.7	33.0	21.0	54.0	PT 1/8	15.0	11.0	13.0	37.1	40
94070612	HR-PST 0602	6.0	14.9	11.0	8.0	15.7	36.0	21.0	57.0	PT 1/4	15.0	11.0	13.0	43.8	40
94070811	HR-PST 0801	8.0	16.9	8.0	8.0	17.8	35.0	23.6	58.6	PT 1/8	17.0	13.0	15.0	41.4	30
94070812	HR-PST 0802	8.0	16.9	11.0	8.0	17.8	38.0	23.6	61.6	PT 1/4	17.0	13.0	15.0	47.6	25
94070813	HR-PST 0803	8.0	16.9	12.0	8.0	17.8	39.0	23.6	62.6	PT 3/8	17.0	13.0	15.0	56.3	25
94071012	HR-PST 1002	10.0	19.5	11.0	8.0	19.8	40.0	26.4	66.4	PT 1/4	20.0	16.0	18.5	60.8	20
94071013	HR-PST 1003	10.0	19.5	12.0	8.0	19.8	41.0	26.4	67.4	PT 3/8	20.0	16.0	18.5	69.3	20
94071014	HR-PST 1004	10.0	19.5	15.0	8.0	19.8	44.0	26.4	70.4	PT 1/2	21.0	16.0	18.5	89.7	20
94071212	HR-PST 1202	12.0	23.5	11.0	8.0	22.4	44.0	30.9	74.9	PT 1/4	24.0	19.5	22.5	94.6	15
94071213	HR-PST 1203	12.0	23.5	12.0	8.0	22.4	45.0	30.9	75.9	PT 3/8	24.0	19.5	22.5	94.9	15
94071214	HR-PST 1204	12.0	23.5	15.0	8.0	22.4	48.0	30.9	78.9	PT 1/2	24.0	19.5	22.5	112.4	15

HR-PST(G)

(Male Run Tee)

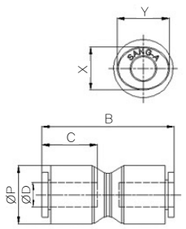


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94070431	HR-PST 04G01	4.0	11.9	5.3	8.0	14.9	27.8	18.5	46.3	PF 1/8	13.0	8.6	10.8	22.9	50
94070432	HR-PST 04G02	4.0	11.9	6.0	8.0	14.9	28.5	18.5	47.0	PF 1/4	17.0	8.6	10.8	32.3	40
94070631	HR-PST 06G01	6.0	14.9	5.3	8.0	15.7	30.3	21.0	51.3	PF 1/8	15.0	11.0	13.0	35.1	40
94070632	HR-PST 06G02	6.0	14.9	6.0	8.0	15.7	31.0	21.0	52.0	PF 1/4	17.0	11.0	13.0	41.3	40
94070831	HR-PST 08G01	8.0	16.9	5.3	8.0	17.8	32.3	23.6	55.9	PF 1/8	17.0	13.0	15.0	39.8	30
94070832	HR-PST 08G02	8.0	16.9	6.0	8.0	17.8	33.0	23.6	56.6	PF 1/4	17.0	13.0	15.0	42.5	25
94070833	HR-PST 08G03	8.0	16.9	7.0	8.0	17.8	34.0	23.6	57.6	PF 3/8	20.0	13.0	15.0	53.2	25
94071032	HR-PST 10G02	10.0	19.5	6.0	8.0	19.8	35.0	26.4	61.4	PF 1/4	20.0	16.0	18.5	56.4	20
94071033	HR-PST 10G03	10.0	19.5	7.0	8.0	19.8	36.0	26.4	62.4	PF 3/8	20.0	16.0	18.5	60.9	20
94071034	HR-PST 10G04	10.0	19.5	8.5	8.0	19.8	37.5	26.4	63.9	PF 1/2	24.0	16.0	18.5	80.1	20
94071232	HR-PST 12G02	12.0	23.5	6.0	8.0	22.4	39.0	30.9	69.9	PF 1/4	24.0	19.5	22.5	90.1	15
94071233	HR-PST 12G03	12.0	23.5	7.0	8.0	22.4	40.0	30.9	70.9	PF 3/8	24.0	19.5	22.5	87.6	15
94071234	HR-PST 12G04	12.0	23.5	8.5	8.0	22.4	41.5	30.9	72.4	PF 1/2	24.0	19.5	22.5	96.8	15

HR-PUC

(Union Straight)

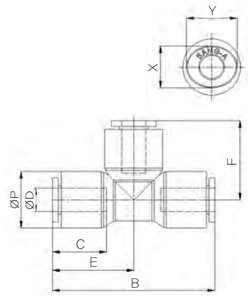


(mm)

CODE	MODEL	ØD	ØP	B	C	X	Y	W.G(g)	Q'ty/ inbox
94040400	HR-PUC 04	4.0	11.9	31.0	14.9	8.6	10.8	8.7	50
94040600	HR-PUC 06	6.0	14.9	33.4	15.7	11.0	13.0	15.1	40
94040800	HR-PUC 08	8.0	16.9	37.6	17.8	13.0	15.0	16.8	40
94041000	HR-PUC 10	10.0	19.5	42.3	19.8	16.0	18.5	22.6	25
94041200	HR-PUC 12	12.0	23.5	48.8	22.4	19.5	22.5	35.8	20

HR-PUT

(Union Tee)

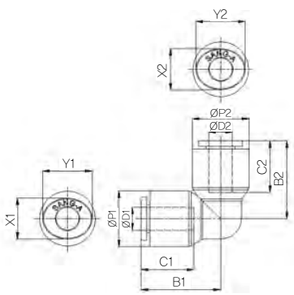


(mm)

CODE	MODEL	ØD	ØP	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
94060400	HR-PUT 04	4.0	11.9	37.0	14.9	18.5	18.5	8.6	10.8	13.4	50
94060600	HR-PUT 06	6.0	14.9	42.0	15.7	21.0	21.0	11.0	13.0	23.5	40
94060800	HR-PUT 08	8.0	16.9	47.2	17.8	23.6	23.6	13.0	15.0	26.3	30
94061000	HR-PUT 10	10.0	19.5	52.8	19.8	26.4	26.4	16.0	18.5	35.3	20
94061200	HR-PUT 12	12.0	23.5	61.8	22.4	30.9	30.9	19.5	22.5	55.9	15

HR-PUL

(Union Elbow)

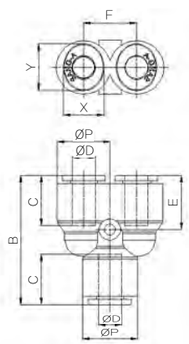


(mm)

CODE	MODEL	ØD	ØD2	ØP1	ØP2	B1	B2	C1	C2	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
94050400	HR-PUL 04	4.0	4.0	11.9	11.9	18.5	18.5	14.9	14.9	8.6	8.6	10.8	10.8	9.5	50
94050600	HR-PUL 06	6.0	6.0	14.9	14.9	21.0	21.0	15.7	15.7	11.0	11.0	13.0	13.0	16.0	40
94050800	HR-PUL 08	8.0	8.0	16.9	16.9	23.6	23.6	17.8	17.8	13.0	13.0	15.0	15.0	18.2	40
94051000	HR-PUL 10	10.0	10.0	19.5	19.5	26.4	26.4	19.8	19.8	16.0	16.0	18.5	18.5	24.5	25
94051200	HR-PUL 12	12.0	12.0	23.5	23.5	30.9	30.9	22.4	22.4	19.5	19.5	22.5	22.5	39.0	20
94054300	HR-PUL 0604	6.0	4.0	14.9	11.9	20.5	20.0	15.7	14.9	11.0	8.6	13.0	10.8	12.5	40
94054500	HR-PUL 0806	8.0	6.0	16.9	14.9	23.6	22.0	17.8	15.7	13.0	11.0	15.0	13.0	16.8	40
94054700	HR-PUL 1008	10.0	8.0	19.5	16.9	25.9	25.1	19.8	17.8	16.0	13.0	18.5	15.0	21.0	25
94055000	HR-PUL 1210	12.0	10.0	23.5	19.5	29.9	28.9	22.4	19.8	19.5	16.0	22.5	18.5	31.6	20

HR-PY

(Union Y)

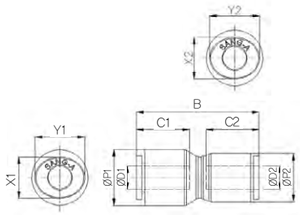


(mm)

CODE	MODEL	ØD	ØP	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
94080400	HR-PY 04	4.0	11.9	32.0	14.9	13.6	11.0	8.6	10.8	13.4	50
94080600	HR-PY 06	6.0	14.9	36.0	15.7	15.0	13.6	11.0	13.0	23.6	40
94080800	HR-PY 08	8.0	16.9	44.2	17.8	18.6	15.4	13.0	15.0	27.5	25
94081000	HR-PY 10	10.0	19.5	46.8	19.8	18.4	18.0	16.0	18.5	36.2	20
94081200	HR-PY 12	12.0	23.5	53.8	22.4	20.9	21.5	19.5	22.5	56.7	15

HR-PG

(Reducer)

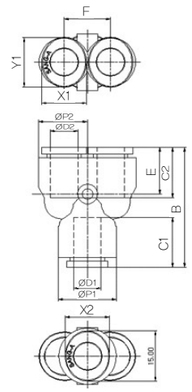


(mm)

CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
94314300	HR-PG 0604	6.0	4.0	14.9	11.9	32.0	15.7	14.9	11.0	8.6	13.0	10.8	11.8	40
94314500	HR-PG 0806	8.0	6.0	16.9	14.9	34.5	17.8	15.7	13.0	11.0	15.0	13.0	16.0	40
94314700	HR-PG 1008	10.0	8.0	19.5	16.9	40.0	19.8	17.8	16.0	13.0	18.5	15.0	19.5	25
94315000	HR-PG 1210	12.0	10.0	23.5	19.5	45.3	22.4	19.8	19.5	16.0	22.5	18.5	29.1	20

HR-PW

(Reducer Y)

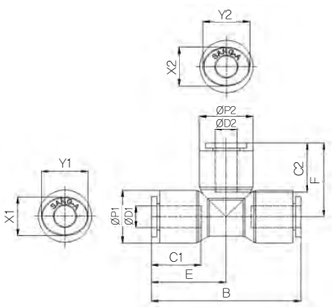


(mm)

CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	E	F	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
94114300	HR-PW 0604	6.0	4.0	14.9	11.9	34.0	15.7	14.9	13.6	11.0	11.0	8.6	13.0	10.8	11.1	40
94114500	HR-PW 0806	8.0	6.0	16.9	14.9	38.6	17.8	15.7	15.0	13.6	13.0	11.0	15.0	13.0	18.9	25
94114700	HR-PW 1008	10.0	8.0	19.5	16.9	44.0	19.8	17.8	17.8	15.4	16.0	13.0	18.5	15.0	24.8	20
94115000	HR-PW 1210	12.0	10.0	23.5	19.5	49.3	22.4	19.8	18.4	17.5	19.5	16.0	22.5	18.5	38.9	15

HR-PUG

(Different Dia of Union Tee)

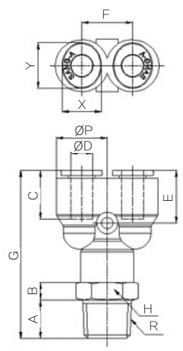


(mm)

CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	E	F	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
94684300	HR-PUG 0604	6.0	4.0	14.9	11.9	40.0	15.7	14.9	20.0	20.0	11.0	8.6	13.0	10.8	20.1	40
94684500	HR-PUG 0806	8.0	6.0	16.9	14.9	47.2	17.8	15.7	23.6	22.0	13.0	11.0	15.0	13.0	25.6	30
94684700	HR-PUG 1008	10.0	8.0	19.5	16.9	52.8	19.8	17.8	26.4	25.6	16.0	13.0	18.5	15.0	32.5	20
94685000	HR-PUG 1210	12.0	10.0	23.5	19.5	61.8	22.4	19.8	30.9	28.4	19.5	16.0	22.5	18.5	49.3	15

HR-PWT

(Male Y)

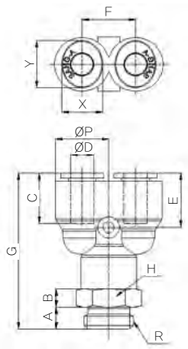


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94090402	HR-PWT 04M5	4.0	11.9	4.0	8.0	14.9	13.6	11.0	40.0	M5	13.0	8.6	10.8	22.4	50
94090411	HR-PWT 0401	4.0	11.9	8.0	8.0	14.9	13.6	11.0	44.0	PT 1/8	13.0	8.6	10.8	25.1	50
94090412	HR-PWT 0402	4.0	11.9	11.0	8.0	14.9	13.6	11.0	47.0	PT 1/4	14.0	8.6	10.8	33.4	50
94090602	HR-PWT 06M5	6.0	14.9	4.0	8.0	15.7	15.0	13.6	44.0	M5	15.0	11.0	13.0	35.7	50
94090611	HR-PWT 0601	6.0	14.9	8.0	8.0	15.7	15.0	13.6	48.0	PT 1/8	15.0	11.0	13.0	37.2	50
94090612	HR-PWT 0602	6.0	14.9	11.0	8.0	15.7	15.0	13.6	51.0	PT 1/4	15.0	11.0	13.0	43.9	50
94090811	HR-PWT 0801	8.0	16.9	8.0	8.0	17.8	18.6	15.4	55.6	PT 1/8	17.0	13.0	15.0	42.6	50
94090812	HR-PWT 0802	8.0	16.9	11.0	8.0	17.8	18.6	15.4	58.6	PT 1/4	17.0	13.0	15.0	48.9	50
94090813	HR-PWT 0803	8.0	16.9	12.0	8.0	17.8	18.6	15.4	59.6	PT 3/8	17.0	13.0	15.0	57.5	25
94091012	HR-PWT 1002	10.0	19.5	11.0	8.0	19.8	18.4	18.0	60.4	PT 1/4	20.0	16.0	18.5	61.7	25
94091013	HR-PWT 1003	10.0	19.5	12.0	8.0	19.8	18.4	18.0	61.4	PT 3/8	20.0	16.0	18.5	70.2	25
94091014	HR-PWT 1004	10.0	19.5	15.0	8.0	19.8	18.4	18.0	64.4	PT 1/2	21.0	16.0	18.5	90.6	25
94091212	HR-PWT 1202	12.0	23.5	11.0	8.0	22.4	20.9	21.5	66.9	PT 1/4	24.0	19.5	22.5	95.5	20
94091213	HR-PWT 1203	12.0	23.5	12.0	8.0	22.4	20.9	21.5	67.9	PT 3/8	24.0	19.5	22.5	95.7	20
94091214	HR-PWT 1204	12.0	23.5	15.0	8.0	22.4	20.9	21.5	70.9	PT 1/2	24.0	19.5	22.5	113.2	20

HR-PWT(G)

(Male Y)

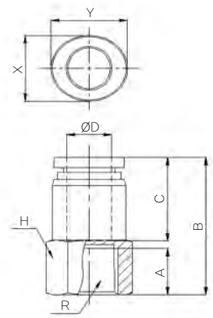


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94090431	HR-PWT 04G01	4.0	11.9	5.3	8.0	14.9	13.6	11.0	41.3	PF 1/8	13.0	8.6	10.8	22.9	50
94090432	HR-PWT 04G02	4.0	11.9	6.0	8.0	14.9	13.6	11.0	42.0	PF 1/4	17.0	8.6	10.8	32.3	50
94090631	HR-PWT 06G01	6.0	14.9	5.3	8.0	15.7	15.0	13.6	45.3	PF 1/8	15.0	11.0	13.0	35.2	50
94090632	HR-PWT 06G02	6.0	14.9	6.0	8.0	15.7	15.0	13.6	46.0	PF 1/4	17.0	11.0	13.0	41.4	50
94090831	HR-PWT 08G01	8.0	16.9	5.3	8.0	17.8	18.6	15.4	52.9	PF 1/8	17.0	13.0	15.0	41.0	50
94090832	HR-PWT 08G02	8.0	16.9	6.0	8.0	17.8	18.6	15.4	53.6	PF 1/4	17.0	13.0	15.0	43.7	50
94090833	HR-PWT 08G03	8.0	16.9	7.0	8.0	17.8	18.6	15.4	54.6	PF 3/8	20.0	13.0	15.0	54.5	25
94091032	HR-PWT 10G02	10.0	19.5	6.0	8.0	19.8	18.4	18.0	55.4	PF 1/4	20.0	16.0	18.5	57.3	25
94091033	HR-PWT 10G03	10.0	19.5	7.0	8.0	19.8	18.4	18.0	56.4	PF 3/8	20.0	16.0	18.5	61.8	25
94091034	HR-PWT 10G04	10.0	19.5	8.5	8.0	19.8	18.4	18.0	57.9	PF 1/2	24.0	16.0	18.5	81.0	25
94091232	HR-PWT 12G02	12.0	23.5	6.0	8.0	22.4	20.9	21.5	61.9	PF 1/4	24.0	19.5	22.5	91.0	20
94091233	HR-PWT 12G03	12.0	23.5	7.0	8.0	22.4	20.9	21.5	62.9	PF 3/8	24.0	19.5	22.5	88.5	20
94091234	HR-PWT 12G04	12.0	23.5	8.5	8.0	22.4	20.9	21.5	64.4	PF 1/2	24.0	19.5	22.5	97.6	20

HR-PCF(G)

(Female Straight)

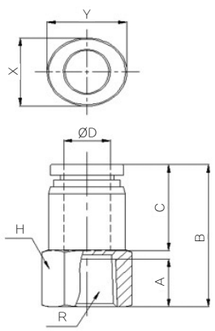


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
94230441	HR-PCF 04G01	4.0	9.0	24.8	14.9	13.0	PF1/8	8.6	10.8	13.8	50
94230641	HR-PCF 06G01	6.0	9.0	25.8	15.7	13.0	PF1/8	11.0	13.0	18.0	40
94230642	HR-PCF 06G02	6.0	12.0	28.8	15.7	17.0	PF1/4	11.0	13.0	27.3	40
94230841	HR-PCF 08G01	8.0	9.0	27.7	17.8	14.0	PF1/8	13.0	15.0	19.9	40
94230842	HR-PCF 08G02	8.0	12.0	30.7	17.8	17.0	PF1/4	13.0	15.0	27.3	40
94231042	HR-PCF 10G02	10.0	12.0	32.7	19.8	17.0	PF1/4	16.0	18.5	32.0	40
94231043	HR-PCF 10G03	10.0	13.0	33.7	19.8	19.0	PF3/8	16.0	18.5	33.2	20
94231243	HR-PCF 12G03	12.0	13.0	36.3	22.4	20.0	PF3/8	19.5	22.5	45.6	20
94231244	HR-PCF 12G04	12.0	16.0	39.3	22.4	24.0	PF1/2	19.5	22.5	58.8	20

HR-PCF(R)

(Female Straight)

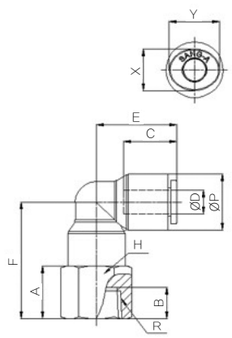


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
94230421	HR-PCF 0401	4.0	9.0	24.8	14.9	13.0	PT1/8	8.6	10.8	14.1	50
94230621	HR-PCF 0601	6.0	9.0	25.8	15.7	13.0	PT1/8	11.0	13.0	18.3	40
94230622	HR-PCF 0602	6.0	12.0	28.8	15.7	17.0	PT1/4	11.0	13.0	27.9	40
94230821	HR-PCF 0801	8.0	9.0	27.7	17.8	14.0	PT1/8	13.0	15.0	20.2	40
94230822	HR-PCF 0802	8.0	12.0	30.7	17.8	17.0	PT1/4	13.0	15.0	27.9	40
94231022	HR-PCF 1002	10.0	12.0	32.7	19.8	17.0	PT1/4	16.0	18.5	32.6	40
94231023	HR-PCF 1003	10.0	13.0	33.7	19.8	19.0	PT3/8	16.0	18.5	34.2	20
94231223	HR-PCF 1203	12.0	13.0	36.3	22.4	20.0	PT3/8	19.5	22.5	46.5	20
94231224	HR-PCF 1204	12.0	16.0	39.3	22.4	24.0	PT1/2	19.5	22.5	60.7	20

HR-PLF

(Female Elbow)

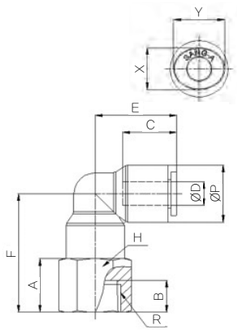


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
94300402	HR-PLF 04M5	4.0	11.9	8.0	5.0	14.9	18.5	22.5	M5	13.0	8.6	10.8	16.5	50
94300411	HR-PLF 0401	4.0	11.9	11.0	9.0	14.9	18.5	25.5	PT 1/8	13.0	8.6	10.8	16.9	50
94300412	HR-PLF 0402	4.0	11.9	14.0	12.0	14.9	18.5	28.5	PT 1/4	16.0	8.6	10.8	23.4	50
94300602	HR-PLF 06M5	6.0	14.9	8.0	5.0	15.7	21.0	25.0	M5	15.0	11.0	13.0	25.5	50
94300611	HR-PLF 0601	6.0	14.9	11.0	9.0	15.7	21.0	28.0	PT 1/8	15.0	11.0	13.0	27.1	40
94300612	HR-PLF 0602	6.0	14.9	14.0	12.0	15.7	21.0	31.0	PT 1/4	16.0	11.0	13.0	29.4	40
94300811	HR-PLF 0801	8.0	16.9	10.0	9.0	17.8	23.6	29.0	PT 1/8	17.0	13.0	15.0	32.6	40
94300812	HR-PLF 0802	8.0	16.9	14.0	12.0	17.8	23.6	33.0	PT 1/4	17.0	13.0	15.0	34.9	40
94300813	HR-PLF 0803	8.0	16.9	15.0	13.0	17.8	23.6	34.0	PT 3/8	19.0	13.0	15.0	36.3	25
94301012	HR-PLF 1002	10.0	19.5	14.0	12.0	19.8	26.4	35.0	PT 1/4	20.0	16.0	18.5	52.4	25
94301013	HR-PLF 1003	10.0	19.5	15.0	13.0	19.8	26.4	36.0	PT 3/8	20.0	16.0	18.5	47.2	20
94301014	HR-PLF 1004	10.0	19.5	19.0	16.0	19.8	26.4	40.0	PT 1/2	24.0	16.0	18.5	65.0	20
94301212	HR-PLF 1202	12.0	23.5	14.0	12.0	22.4	30.9	39.0	PT 1/4	24.0	19.5	22.5	83.2	20
94301213	HR-PLF 1203	12.0	23.5	15.0	13.0	22.4	30.9	40.0	PT 3/8	24.0	19.5	22.5	79.1	20
94301214	HR-PLF 1204	12.0	23.5	19.0	16.0	22.4	30.9	44.0	PT 1/2	24.0	19.5	22.5	78.7	20

HR-PLF(G)

(Female Elbow)

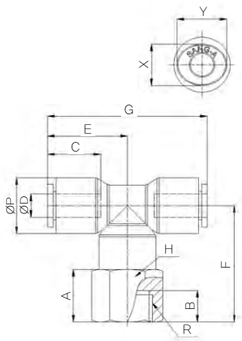


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
94300431	HR-PLF 04G01	4.0	11.9	10.0	9.0	14.9	18.5	24.5	PF 1/8	13.0	8.6	10.8	15.6	50
94300432	HR-PLF 04G02	4.0	11.9	14.0	12.0	14.9	18.5	28.5	PF 1/4	16.0	8.6	10.8	23.6	50
94300631	HR-PLF 06G01	6.0	14.9	10.0	9.0	15.7	21.0	27.0	PF 1/8	15.0	11.0	13.0	25.4	40
94300632	HR-PLF 06G02	6.0	14.9	14.0	12.0	15.7	21.0	31.0	PF 1/4	16.0	11.0	13.0	29.4	40
94300831	HR-PLF 08G01	8.0	16.9	10.0	9.0	17.8	23.6	29.0	PF 1/8	17.0	13.0	15.0	32.3	40
94300832	HR-PLF 08G02	8.0	16.9	14.0	12.0	17.8	23.6	33.0	PF 1/4	17.0	13.0	15.0	34.3	40
94300833	HR-PLF 08G03	8.0	16.9	15.0	13.0	17.8	23.6	34.0	PF 3/8	19.0	13.0	15.0	41.9	25
94301032	HR-PLF 10G02	10.0	19.5	14.0	12.0	19.8	26.4	35.0	PF 1/4	20.0	16.0	18.5	51.8	25
94301033	HR-PLF 10G03	10.0	19.5	15.0	13.0	19.8	26.4	36.0	PF 3/8	20.0	16.0	18.5	46.6	20
94301034	HR-PLF 10G04	10.0	19.5	19.0	16.0	19.8	26.4	40.0	PF 1/2	24.0	16.0	18.5	63.3	20
94301232	HR-PLF 12G02	12.0	23.5	14.0	12.0	22.4	30.9	39.0	PF 1/4	24.0	19.5	22.5	82.6	20
94301233	HR-PLF 12G03	12.0	23.5	15.0	13.0	22.4	30.9	40.0	PF 3/8	24.0	19.5	22.5	78.3	20
94301234	HR-PLF 12G04	12.0	23.5	19.0	16.0	22.4	30.9	44.0	PF 1/2	24.0	19.5	22.5	81.7	20

HR-PTF(G)

(Female Branch Tee)

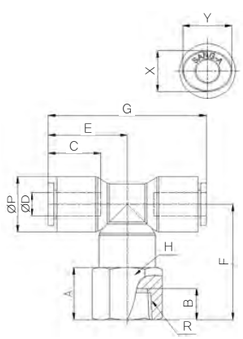


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94390441	HR-PTF 04G01	4.0	11.9	10.0	9.0	14.9	18.5	24.5	37.0	PF 1/8	13.0	8.6	10.8	19.5	50
94390442	HR-PTF 04G02	4.0	11.9	14.0	12.0	14.9	18.5	28.5	37.0	PF 1/4	16.0	8.6	10.8	27.5	50
94390641	HR-PTF 06G01	6.0	14.9	10.0	9.0	15.7	21.0	27.0	42.0	PF 1/8	15.0	11.0	13.0	32.9	40
94390642	HR-PTF 06G02	6.0	14.9	14.0	12.0	15.7	21.0	31.0	42.0	PF 1/4	16.0	11.0	13.0	36.9	40
94390841	HR-PTF 08G01	8.0	16.9	10.0	9.0	17.8	23.6	29.0	47.2	PF 1/8	17.0	13.0	15.0	40.4	40
94390842	HR-PTF 08G02	8.0	16.9	14.0	12.0	17.8	23.6	33.0	47.2	PF 1/4	17.0	13.0	15.0	42.4	25
94390843	HR-PTF 08G03	8.0	16.9	15.0	13.0	17.8	23.6	34.0	47.2	PF 3/8	19.0	13.0	15.0	50.1	25
94391032	HR-PTF 10G02	10.0	19.5	14.0	12.0	19.8	26.4	35.0	52.8	PF 1/4	20.0	16.0	18.5	62.7	20
94391033	HR-PTF 10G03	10.0	19.5	15.0	13.0	19.8	26.4	36.0	52.8	PF 3/8	20.0	16.0	18.5	57.4	20
94391034	HR-PTF 10G04	10.0	19.5	19.0	16.0	19.8	26.4	40.0	52.8	PF 1/2	24.0	16.0	18.5	74.1	20
94391232	HR-PTF 12G02	12.0	23.5	14.0	12.0	22.4	30.9	39.0	61.8	PF 1/4	24.0	19.5	22.5	99.5	15
94391233	HR-PTF 12G03	12.0	23.5	15.0	13.0	22.4	30.9	40.0	61.8	PF 3/8	24.0	19.5	22.5	95.2	15
94391234	HR-PTF 12G04	12.0	23.5	19.0	16.0	22.4	30.9	44.0	61.8	PF 1/2	24.0	19.5	22.5	98.6	15

HR-PTF

(Female Branch Tee)

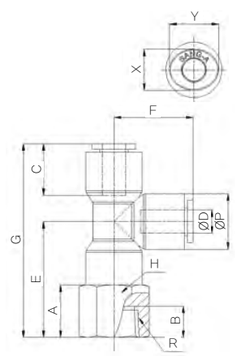


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94390402	HR-PTF 04M5	4.0	11.9	8.0	5.0	14.9	18.5	22.5	37.0	M5	13.0	8.6	10.8	20.3	50
94390421	HR-PTF 0401	4.0	11.9	11.0	9.0	14.9	18.5	25.5	37.0	PT 1/8	13.0	8.6	10.8	20.8	50
94390422	HR-PTF 0402	4.0	11.9	14.0	12.0	14.9	18.5	28.5	37.0	PT 1/4	16.0	8.6	10.8	27.3	50
94390602	HR-PTF 06M5	6.0	14.9	8.0	5.0	15.7	21.0	25.0	42.0	M5	15.0	11.0	13.0	33.0	40
94390621	HR-PTF 0601	6.0	14.9	11.0	9.0	15.7	21.0	28.0	42.0	PT 1/8	15.0	11.0	13.0	34.6	40
94390622	HR-PTF 0602	6.0	14.9	14.0	12.0	15.7	21.0	31.0	42.0	PT 1/4	16.0	11.0	13.0	36.9	40
94390821	HR-PTF 0801	8.0	16.9	10.0	9.0	17.8	23.6	29.0	47.2	PT 1/8	17.0	13.0	15.0	40.7	40
94390822	HR-PTF 0802	8.0	16.9	14.0	12.0	17.8	23.6	33.0	47.2	PT 1/4	17.0	13.0	15.0	43.1	25
94390823	HR-PTF 0803	8.0	16.9	15.0	13.0	17.8	23.6	34.0	47.2	PT 3/8	19.0	13.0	15.0	44.5	25
94391012	HR-PTF 1002	10.0	19.5	14.0	12.0	19.8	26.4	35.0	52.8	PT 1/4	20.0	16.0	18.5	63.2	20
94391013	HR-PTF 1003	10.0	19.5	15.0	13.0	19.8	26.4	36.0	52.8	PT 3/8	20.0	16.0	18.5	58.0	20
94391014	HR-PTF 1004	10.0	19.5	19.0	16.0	19.8	26.4	40.0	52.8	PT 1/2	24.0	16.0	18.5	75.9	20
94391212	HR-PTF 1202	12.0	23.5	14.0	12.0	22.4	30.9	39.0	61.8	PT 1/4	24.0	19.5	22.5	100.1	15
94391213	HR-PTF 1203	12.0	23.5	15.0	13.0	22.4	30.9	40.0	61.8	PT 3/8	24.0	19.5	22.5	96.1	15
94391214	HR-PTF 1204	12.0	23.5	19.0	16.0	22.4	30.9	44.0	61.8	PT 1/2	24.0	19.5	22.5	95.6	15

HR-PSTF

(Female Run Tee)

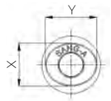


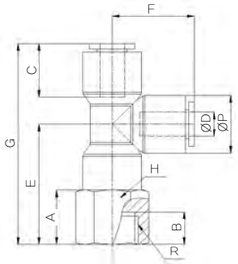
(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94820402	HR-PSTF 04M5	4.0	11.9	8.0	5.0	14.9	22.5	18.5	41.0	M5	13.0	8.6	10.8	20.3	50
94820421	HR-PSTF 0401	4.0	11.9	11.0	9.0	14.9	25.5	18.5	44.0	PT 1/8	13.0	8.6	10.8	20.8	50
94820422	HR-PSTF 0402	4.0	11.9	14.0	12.0	14.9	28.5	18.5	47.0	PT 1/4	16.0	8.6	10.8	27.3	50
94820602	HR-PSTF 06M5	6.0	14.9	8.0	5.0	15.7	25.0	21.0	46.0	M5	15.0	11.0	13.0	33.0	40
94820621	HR-PSTF 0601	6.0	14.9	11.0	9.0	15.7	28.0	21.0	49.0	PT 1/8	15.0	11.0	13.0	34.6	40
94820622	HR-PSTF 0602	6.0	14.9	14.0	12.0	15.7	31.0	21.0	52.0	PT 1/4	16.0	11.0	13.0	36.9	40
94820821	HR-PSTF 0801	8.0	16.9	10.0	9.0	17.8	29.0	23.6	52.6	PT 1/8	17.0	13.0	15.0	40.7	40
94820822	HR-PSTF 0802	8.0	16.9	14.0	12.0	17.8	33.0	23.6	56.6	PT 1/4	17.0	13.0	15.0	43.1	25
94820823	HR-PSTF 0803	8.0	16.9	15.0	13.0	17.8	34.0	23.6	57.6	PT 3/8	19.0	13.0	15.0	44.5	25
94821012	HR-PSTF 1002	10.0	19.5	14.0	12.0	19.8	35.0	26.4	61.4	PT 1/4	20.0	16.0	18.5	63.2	20
94821013	HR-PSTF 1003	10.0	19.5	15.0	13.0	19.8	36.0	26.4	62.4	PT 3/8	20.0	16.0	18.5	58.0	20
94821014	HR-PSTF 1004	10.0	19.5	19.0	16.0	19.8	40.0	26.4	66.4	PT 1/2	24.0	16.0	18.5	75.9	20
94821212	HR-PSTF 1202	12.0	23.5	14.0	12.0	22.4	39.0	30.9	69.9	PT 1/4	24.0	19.5	22.5	100.1	15
94821213	HR-PSTF 1203	12.0	23.5	15.0	13.0	22.4	40.0	30.9	70.9	PT 3/8	24.0	19.5	22.5	96.1	15
94821214	HR-PSTF 1204	12.0	23.5	19.0	16.0	22.4	44.0	30.9	74.9	PT 1/2	24.0	19.5	22.5	95.6	15

HR-PSTF(G)

(Female Run Tee)



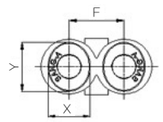


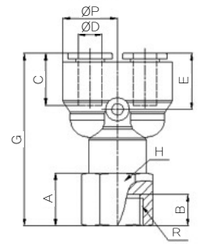
(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94820441	HR-PSTF 04G01	4.0	11.9	10.0	9.0	14.9	24.5	18.5	43.0	PF 1/8	13.0	8.6	10.8	19.5	50
94820442	HR-PSTF 04G02	4.0	11.9	14.0	12.0	14.9	28.5	18.5	47.0	PF 1/4	16.0	8.6	10.8	27.5	50
94820641	HR-PSTF 06G01	6.0	14.9	10.0	9.0	15.7	27.0	21.0	48.0	PF 1/8	15.0	11.0	13.0	32.9	40
94820642	HR-PSTF 06G02	6.0	14.9	14.0	12.0	15.7	31.0	21.0	52.0	PF 1/4	16.0	11.0	13.0	36.9	40
94820841	HR-PSTF 08G01	8.0	16.9	10.0	9.0	17.8	29.0	23.6	52.6	PF 1/8	17.0	13.0	15.0	40.4	40
94820842	HR-PSTF 08G02	8.0	16.9	14.0	12.0	17.8	33.0	23.6	56.6	PF 1/4	17.0	13.0	15.0	42.4	25
94820843	HR-PSTF 08G03	8.0	16.9	15.0	13.0	17.8	34.0	23.6	57.6	PF 3/8	19.0	13.0	15.0	50.1	25
94821032	HR-PSTF 10G02	10.0	19.5	14.0	12.0	19.8	35.0	26.4	61.4	PF 1/4	20.0	16.0	18.5	62.7	20
94821033	HR-PSTF 10G03	10.0	19.5	15.0	13.0	19.8	36.0	26.4	62.4	PF 3/8	20.0	16.0	18.5	57.4	20
94821034	HR-PSTF 10G04	10.0	19.5	19.0	16.0	19.8	40.0	26.4	66.4	PF 1/2	24.0	16.0	18.5	74.1	20
94821232	HR-PSTF 12G02	12.0	23.5	14.0	12.0	22.4	39.0	30.9	69.9	PF 1/4	24.0	19.5	22.5	99.5	15
94821233	HR-PSTF 12G03	12.0	23.5	15.0	13.0	22.4	40.0	30.9	70.9	PF 3/8	24.0	19.5	22.5	95.2	15
94821234	HR-PSTF 12G04	12.0	23.5	19.0	16.0	22.4	44.0	30.9	74.9	PF 1/2	24.0	19.5	22.5	98.6	15

HR-PWF(G)

(Female Y)



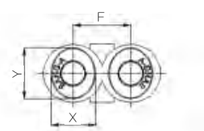


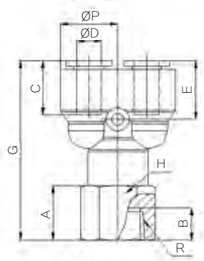
(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94830441	HR-PWF 04G01	4.0	11.9	10.0	9.0	14.9	13.6	11.0	38.0	PF 1/8	13.0	8.6	10.8	19.5	50
94830442	HR-PWF 04G02	4.0	11.9	14.0	12.0	14.9	13.6	11.0	42.0	PF 1/4	16.0	8.6	10.8	27.5	50
94830641	HR-PWF 06G01	6.0	14.9	10.0	9.0	15.7	15.0	13.6	42.0	PF 1/8	15.0	11.0	13.0	33.0	50
94830642	HR-PWF 06G02	6.0	14.9	14.0	12.0	15.7	15.0	13.6	46.0	PF 1/4	16.0	11.0	13.0	37.0	50
94830841	HR-PWF 08G01	8.0	16.9	10.0	9.0	17.8	18.6	15.4	49.6	PF 1/8	17.0	13.0	15.0	41.7	50
94830842	HR-PWF 08G02	8.0	16.9	14.0	12.0	17.8	18.6	15.4	53.6	PF 1/4	17.0	13.0	15.0	43.7	50
94830843	HR-PWF 08G03	8.0	16.9	15.0	13.0	17.8	18.6	15.4	54.6	PF 3/8	19.0	13.0	15.0	51.3	25
94831042	HR-PWF 10G02	10.0	19.5	14.0	12.0	19.8	18.4	18.0	55.4	PF 1/4	20.0	16.0	18.5	63.5	25
94831043	HR-PWF 10G03	10.0	19.5	15.0	13.0	19.8	18.4	18.0	56.4	PF 3/8	20.0	16.0	18.5	58.3	25
94831044	HR-PWF 10G04	10.0	19.5	19.0	16.0	19.8	18.4	18.0	60.4	PF 1/2	24.0	16.0	18.5	75.0	25
94831242	HR-PWF 12G02	12.0	23.5	14.0	12.0	22.4	20.9	21.5	61.9	PF 1/4	24.0	19.5	22.5	100.4	20
94831243	HR-PWF 12G03	12.0	23.5	15.0	13.0	22.4	20.9	21.5	62.9	PF 3/8	24.0	19.5	22.5	96.0	20
94831244	HR-PWF 12G04	12.0	23.5	19.0	16.0	22.4	20.9	21.5	66.9	PF 1/2	24.0	19.5	22.5	99.5	20

HR-PWF

(Female Y)



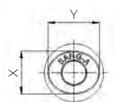


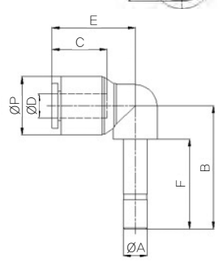
(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
94830402	HR-PWF 04M5	4.0	11.9	8.0	5.0	14.9	13.6	11.0	36.0	M5	13.0	8.6	10.8	20.4	50
94830421	HR-PWF 0401	4.0	11.9	11.0	9.0	14.9	13.6	11.0	39.0	PT 1/8	13.0	8.6	10.8	20.8	50
94830422	HR-PWF 0402	4.0	11.9	14.0	12.0	14.9	13.6	11.0	42.0	PT 1/4	16.0	8.6	10.8	27.3	50
94830602	HR-PWF 06M5	6.0	14.9	8.0	5.0	15.7	15.0	13.6	40.0	M5	15.0	11.0	13.0	33.0	50
94830621	HR-PWF 0601	6.0	14.9	11.0	9.0	15.7	15.0	13.6	43.0	PT 1/8	15.0	11.0	13.0	34.7	50
94830622	HR-PWF 0602	6.0	14.9	14.0	12.0	15.7	15.0	13.6	46.0	PT 1/4	16.0	11.0	13.0	37.0	50
94830821	HR-PWF 0801	8.0	16.9	10.0	9.0	17.8	18.6	15.4	49.6	PT 1/8	17.0	13.0	15.0	41.9	50
94830822	HR-PWF 0802	8.0	16.9	14.0	12.0	17.8	18.6	15.4	53.6	PT 1/4	17.0	13.0	15.0	44.3	50
94830823	HR-PWF 0803	8.0	16.9	15.0	13.0	17.8	18.6	15.4	54.6	PT 3/8	19.0	13.0	15.0	45.7	25
94831022	HR-PWF 1002	10.0	19.5	14.0	12.0	19.8	18.4	18.0	55.4	PT 1/4	20.0	16.0	18.5	64.1	25
94831023	HR-PWF 1003	10.0	19.5	15.0	13.0	19.8	18.4	18.0	56.4	PT 3/8	20.0	16.0	18.5	58.9	25
94831024	HR-PWF 1004	10.0	19.5	19.0	16.0	19.8	18.4	18.0	60.4	PT 1/2	24.0	16.0	18.5	76.7	25
94831222	HR-PWF 1202	12.0	23.5	14.0	12.0	22.4	20.9	21.5	61.9	PT 1/4	24.0	19.5	22.5	100.9	20
94831223	HR-PWF 1203	12.0	23.5	15.0	13.0	22.4	20.9	21.5	62.9	PT 3/8	24.0	19.5	22.5	96.9	20
94831224	HR-PWF 1204	12.0	23.5	19.0	16.0	22.4	20.9	21.5	66.9	PT 1/2	24.0	19.5	22.5	96.4	20

HR-PLJ

(Plug-in Elbow)



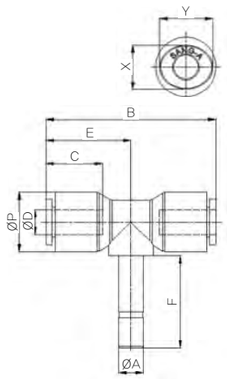


(mm)

CODE	MODEL	ØD	ØP	ØA	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
94140400	HR-PLJ 04	4.0	11.9	4.0	24.0	14.9	18.5	17.5	8.6	10.8	5.1	100
94140600	HR-PLJ 06	6.0	14.9	6.0	31.5	15.7	21.0	23.0	11.0	13.0	9.3	50
94140800	HR-PLJ 08	8.0	16.9	8.0	34.5	17.8	23.6	25.0	13.0	15.0	11.0	50
94141000	HR-PLJ 10	10.0	19.5	10.0	38.0	19.8	26.4	27.0	16.0	18.5	15.7	25
94141200	HR-PLJ 12	12.0	23.5	12.0	41.8	22.4	30.9	29.0	19.5	22.5	23.5	25

HR-PTJ

(Plug-in Tee)

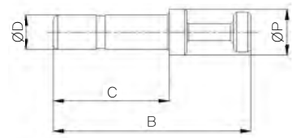


(mm)

CODE	MODEL	ØD	ØP	ØA	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
94790400	HR-PTJ 04	4.0	11.9	4.0	37.0	14.9	18.5	17.5	8.6	10.8	9.4	50
94790600	HR-PTJ 06	6.0	14.9	6.0	42.0	15.7	21.0	23.0	11.0	13.0	16.9	25
94790800	HR-PTJ 08	8.0	16.9	8.0	47.2	17.8	23.6	25.0	13.0	15.0	19.2	25
94791100	HR-PTJ 10	10.0	19.5	10.0	52.8	19.8	26.4	27.0	16.0	18.5	26.7	16
94791200	HR-PTJ 12	12.0	23.5	12.0	61.8	22.4	30.9	29.0	19.5	22.5	41.2	16

HR-PP

(Plug)

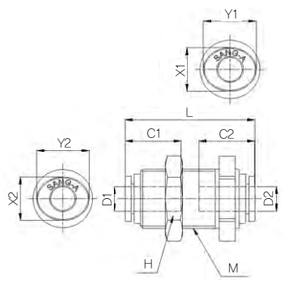


(mm)

CODE	MODEL	ØD	ØP	B	C	W.G(g)	Q'ty/inbox
94340400	HR-PP 04	4.0	6.0	28.5	17.5	0.5	100
94340600	HR-PP 06	6.0	8.0	34.0	20.0	0.9	100
94340800	HR-PP 08	8.0	10.0	41.0	22.0	1.6	100
94341000	HR-PP 10	10.0	12.0	40.9	25.0	2.2	50
94341200	HR-PP 12	12.0	14.0	43.0	27.0	3.4	50

HR-PPM

(Bulkhead Union P)



(mm)

CODE	MODEL	ØD1	ØD2	L	C1	C2	H	M	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
94550400	HR-PPM 04	4.0	4.0	30.8	14.9	14.9	17.0	M12X1	8.6	8.6	10.8	10.8	14.2	100
94550600	HR-PPM 06	6.0	6.0	32.4	15.7	15.7	19.0	M15X1	11.0	11.0	13.0	13.0	20.8	50
94550800	HR-PPM 08	8.0	8.0	36.6	17.8	17.8	22.0	M17X1	13.0	13.0	15.0	15.0	25.0	50
94551000	HR-PPM 10	10.0	10.0	40.8	19.8	19.8	27.0	M20X1	16.0	16.0	18.5	18.5	37.6	20
94551200	HR-PPM 12	12.0	12.0	46.8	22.4	22.4	30.0	M24X1	19.5	19.5	22.5	22.5	55.7	20

Application & Feature

- One-touch joints used in the chemical industry.
- Used for a wide variety of models to meet all needs.
- Excellent in chemical resistance and a product made of suitable material for use in chemical and pharmaceutical industries.
- Easy to connect/disconnect tube by one touch.
- Flexible for directional tube laying given its revolving construction of body.
- Elliptical sleeve makes it possible to apply and remove the tube easily in confined space.
- The parts are washed, assembled and packed in a clean room.

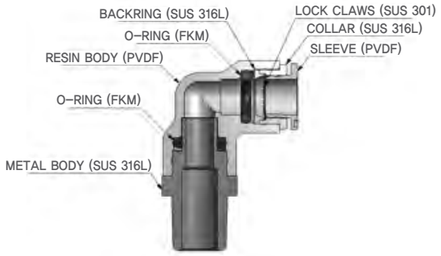
Specification

Fluid	Water, Air, Oil	
Working Pressure Range	0~290psi	0~20kgf/㎠(0~2MPa)
Temperature Range	-4℉~248℉	-20~120℃
Applicable Tube Material	Polyurethane and Nylon	

Maximum Usable Pressure

SIZE	ø4	ø6	ø8	ø10	ø12
20℃	0~20kgf/㎠			0~12kgf/㎠	
100℃	0~10kgf/㎠		0~8kgf/㎠	0~6kgf/㎠	
120℃	0~3kgf/㎠				

Structural Diagram



Produce Code System

PL	08	02
①	②	③

① TYPE

② Tube Dia (øD)

Code	04	06	08	10	12
Dia	ø4	ø6	ø8	ø10	ø12

③ Thread Size *Metric Thread & R(PT) Thread

	Metric size	Taper Pipe Thread			
Code	M5	01	02	03	04
Size	M5x0.8	R1/8	R1/4	R3/8	R1/2

	Taper Pipe Thread			
Code	G01	G02	G03	G04
Size	G1/8	G1/4	G3/8	G1/2

Chemical Resistant Fittings

CR-PC(R) (Male Straight)

CR-PC(G) (Male Straight)

CR-PL (Male Elbow)

CR-PL(G) (Male Elbow)

CR-PT (Male Branch Tee)

CR-PT(G) (Male Branch Tee)

CR-PST (Male Run Tee)

CR-PST(G) (Male Run Tee)

CR-PUC (Union Straight)

CR-PUL (Union Elbow)

CR-PUT (Union Tee)

CR-PY (Union Y)

CR-PG (Reducer)

CR-PUG (Different Dia of Union Tee)

CR-PW (Reducer Y)

CR-PWT (Male Y)

CR-PWT(G) (Male Y)

CR-PCF(R) (Female Straight)

CR-PCF(G) (Female Straight)

CR-PLF (Female Elbow)

CR-PLF(G) (Female Elbow)

CR-PTF (Female Branch Tee)

CR-PTF(G) (Female Branch Tee)

CR-PSTF (Female Run Tee)

CR-PSTF(G) (Female Run Tee)

CR-PWF (Female Y)

CR-PWF(G) (Female Y)

CR-PLJ (Plug-in Elbow)

CR-PTJ (Plug-in Tee)

CR-PPM (Bulkhead Union P)

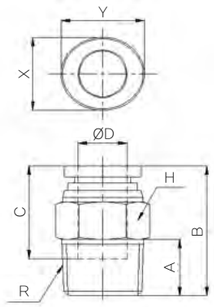
CR-PP (Plug)

CAUTION

1. Avoid randomly product change.
2. Never over pushing to assemble product, it may cause damage.
3. Please check leakage before built.

CR-PC(R)

(Male Straight)

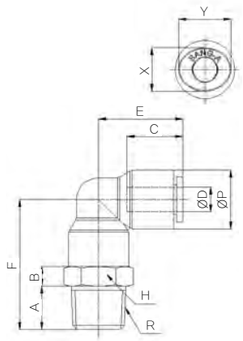


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
95010402	CR-PC 04M5	4.0	4.0	20.0	14.5	10.0	M5	8.6	10.8	7.7	50
95010411	CR-PC 0401	4.0	8.0	22.1	14.5	10.0	PT1/8	8.6	10.8	10.6	50
95010602	CR-PC 06M5	6.0	4.0	21.6	15.6	13.0	M5	11.0	13.0	13.3	50
95010611	CR-PC 0601	6.0	8.0	22.2	15.6	13.0	PT1/8	11.0	13.0	14.1	50
95010612	CR-PC 0602	6.0	11.0	25.2	15.6	14.0	PT1/4	11.0	13.0	22.3	50
95010811	CR-PC 0801	8.0	8.0	26.2	17.3	14.0	PT1/8	13.0	15.0	14.9	50
95010812	CR-PC 0802	8.0	11.0	25.7	17.3	14.0	PT1/4	13.0	15.0	18.9	50
95011012	CR-PC 1002	10.0	11.0	32.3	19.4	17.0	PT1/4	16.0	18.5	28.7	40
95011013	CR-PC 1003	10.0	12.0	27.3	19.4	17.0	PT3/8	16.0	18.5	28.8	25
95011213	CR-PC 1203	12.0	12.0	31.3	22.4	20.0	PT3/8	19.5	22.5	36.6	25
95011214	CR-PC 1204	12.0	15.0	32.3	22.4	21.0	PT1/2	19.5	22.5	52.0	25

CR-PL

(Male Elbow)

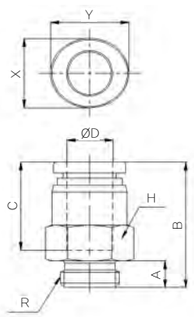


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
95020402	CR-PL 04M5	4.0	11.8	4.0	8.0	14.5	18.0	26.4	M5	13.0	8.6	10.8	19.1	50
95020411	CR-PL 0401	4.0	11.8	8.0	8.0	14.5	18.0	30.4	PT 1/8	13.0	8.6	10.8	21.8	50
95020412	CR-PL 0402	4.0	11.8	11.0	8.0	14.5	18.0	33.4	PT 1/4	14.0	8.6	10.8	30.1	50
95020602	CR-PL 06M5	6.0	14.7	4.0	8.0	15.6	20.6	28.7	M5	15.0	11.0	13.0	29.0	50
95020611	CR-PL 0601	6.0	14.7	8.0	8.0	15.6	20.6	32.7	PT 1/8	15.0	11.0	13.0	30.4	40
95020612	CR-PL 0602	6.0	14.7	11.0	8.0	15.6	20.6	35.7	PT 1/4	15.0	11.0	13.0	37.2	40
95020811	CR-PL 0801	8.0	16.7	8.0	8.0	17.3	23.1	35.0	PT 1/8	17.0	13.0	15.0	34.2	40
95020812	CR-PL 0802	8.0	16.7	11.0	8.0	17.3	23.1	38.0	PT 1/4	17.0	13.0	15.0	40.4	40
95020813	CR-PL 0803	8.0	16.7	12.0	8.0	17.3	23.1	39.0	PT 3/8	17.0	13.0	15.0	49.1	25
95021012	CR-PL 1002	10.0	19.3	11.0	8.0	19.4	25.8	39.8	PT 1/4	20.0	16.0	18.5	51.8	25
95021013	CR-PL 1003	10.0	19.3	12.0	8.0	19.4	25.8	40.8	PT 3/8	20.0	16.0	18.5	60.2	20
95021014	CR-PL 1004	10.0	19.3	15.0	8.0	19.4	25.8	43.8	PT 1/2	21.0	16.0	18.5	80.7	20
95021212	CR-PL 1202	12.0	23.2	11.0	8.0	22.4	30.9	44.0	PT 1/4	24.0	19.5	22.5	80.5	20
95021213	CR-PL 1203	12.0	23.2	12.0	8.0	22.4	30.9	45.0	PT 3/8	24.0	19.5	22.5	80.8	20
95021214	CR-PL 1204	12.0	23.2	15.0	8.0	22.4	30.9	48.0	PT 1/2	24.0	19.5	22.5	98.3	20

CR-PC(G)

(Male Straight)

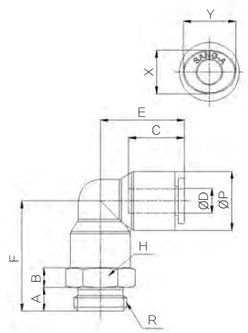


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
95010431	CR-PC 04G01	4.0	5.3	19.4	14.5	14.0	PF1/8	8.6	10.8	12.3	50
95010631	CR-PC 06G01	6.0	5.3	23.0	15.6	14.0	PF1/8	11.0	13.0	15.3	50
95010632	CR-PC 06G02	6.0	6.0	20.2	15.6	17.0	PF1/4	11.0	13.0	21.4	50
95010831	CR-PC 08G01	8.0	5.3	25.0	17.3	14.0	PF1/8	13.0	15.0	15.6	50
95010832	CR-PC 08G02	8.0	6.0	21.2	17.3	17.0	PF1/4	13.0	15.0	19.1	50
95011032	CR-PC 10G02	10.0	6.0	27.8	19.4	17.0	PF1/4	16.0	18.5	24.6	40
95011033	CR-PC 10G03	10.0	7.0	24.3	19.4	21.0	PF3/8	16.0	18.5	31.6	25
95011233	CR-PC 12G03	12.0	7.0	31.8	22.4	21.0	PF3/8	19.5	22.5	40.8	25
95011234	CR-PC 12G04	12.0	8.5	28.8	22.4	24.0	PF1/2	19.5	22.5	49.2	25

CR-PL(G)

(Male Elbow)

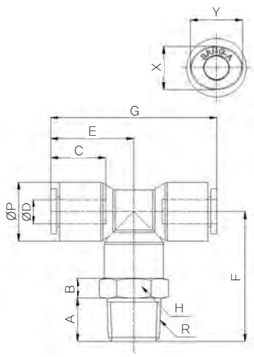


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
95020431	CR-PL 04G01	4.0	11.8	5.3	8.0	14.5	18.0	27.7	PF 1/8	13.0	8.6	10.8	19.7	50
95020432	CR-PL 04G02	4.0	11.8	6.0	8.0	14.5	18.0	28.4	PF 1/4	17.0	8.6	10.8	29.0	50
95020631	CR-PL 06G01	6.0	14.7	5.3	8.0	15.6	20.6	30.0	PF 1/8	15.0	11.0	13.0	28.4	40
95020632	CR-PL 06G02	6.0	14.7	6.0	8.0	15.6	20.6	30.7	PF 1/4	17.0	11.0	13.0	34.7	40
95020831	CR-PL 08G01	8.0	16.7	5.3	8.0	17.3	23.1	32.3	PF 1/8	17.0	13.0	15.0	32.6	40
95020832	CR-PL 08G02	8.0	16.7	6.0	8.0	17.3	23.1	33.0	PF 1/4	17.0	13.0	15.0	35.2	40
95020833	CR-PL 08G03	8.0	16.7	7.0	8.0	17.3	23.1	34.0	PF 3/8	20.0	13.0	15.0	46.0	25
95021032	CR-PL 10G02	10.0	19.3	6.0	8.0	19.4	25.8	34.8	PF 1/4	20.0	16.0	18.5	47.3	25
95021033	CR-PL 10G03	10.0	19.3	7.0	8.0	19.4	25.8	35.8	PF 3/8	20.0	16.0	18.5	51.8	25
95021034	CR-PL 10G04	10.0	19.3	8.5	8.0	19.4	25.8	37.3	PF 1/2	24.0	16.0	18.5	71.0	20
95021232	CR-PL 12G02	12.0	23.2	6.0	8.0	22.4	30.9	39.0	PF 1/4	24.0	19.5	22.5	76.0	20
95021233	CR-PL 12G03	12.0	23.2	7.0	8.0	22.4	30.9	40.0	PF 3/8	24.0	19.5	22.5	73.5	20
95021234	CR-PL 12G04	12.0	23.2	8.5	8.0	22.4	30.9	41.5	PF 1/2	24.0	19.5	22.5	82.7	20

CR-PT

(Male Branch Tee)

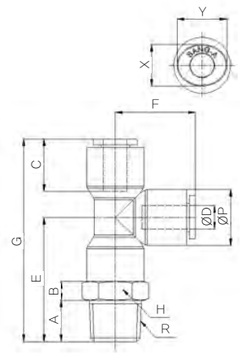


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95030402	CR-PT 04M5	4.0	11.8	4.0	8.0	14.5	18.0	26.4	36.0	M5	13.0	8.6	10.8	23.1	50
95030411	CR-PT 0401	4.0	11.8	8.0	8.0	14.5	18.0	30.4	36.0	PT 1/8	13.0	8.6	10.8	25.8	50
95030412	CR-PT 0402	4.0	11.8	11.0	8.0	14.5	18.0	33.4	36.0	PT 1/4	14.0	8.6	10.8	34.1	50
95030602	CR-PT 06M5	6.0	14.7	4.0	8.0	15.6	20.6	28.7	41.2	M5	15.0	11.0	13.0	36.8	40
95030611	CR-PT 0601	6.0	14.7	8.0	8.0	15.6	20.6	32.7	41.2	PT 1/8	15.0	11.0	13.0	38.3	40
95030612	CR-PT 0602	6.0	14.7	11.0	8.0	15.6	20.6	35.7	41.2	PT 1/4	15.0	11.0	13.0	45.0	40
95030811	CR-PT 0801	8.0	16.7	8.0	8.0	17.3	23.1	35.0	46.2	PT 1/8	17.0	13.0	15.0	43.1	40
95030812	CR-PT 0802	8.0	16.7	11.0	8.0	17.3	23.1	38.0	46.2	PT 1/4	17.0	13.0	15.0	49.3	25
95030813	CR-PT 0803	8.0	16.7	12.0	8.0	17.3	23.1	39.0	46.2	PT 3/8	17.0	13.0	15.0	57.9	25
95031012	CR-PT 1002	10.0	19.3	11.0	8.0	19.4	25.8	39.8	51.6	PT 1/4	20.0	16.0	18.5	63.1	20
95031013	CR-PT 1003	10.0	19.3	12.0	8.0	19.4	25.8	40.8	51.6	PT 3/8	20.0	16.0	18.5	71.6	20
95031014	CR-PT 1004	10.0	19.3	15.0	8.0	19.4	25.8	43.8	51.6	PT 1/2	21.0	16.0	18.5	92.0	20
95031212	CR-PT 1202	12.0	23.2	11.0	8.0	22.4	30.9	44.0	61.8	PT 1/4	24.0	19.5	22.5	98.2	15
95031213	CR-PT 1203	12.0	23.2	12.0	8.0	22.4	30.9	45.0	61.8	PT 3/8	24.0	19.5	22.5	98.4	15
95031214	CR-PT 1204	12.0	23.2	15.0	8.0	22.4	30.9	48.0	61.8	PT 1/2	24.0	19.5	22.5	115.9	15

CR-PST

(Male Run Tee)

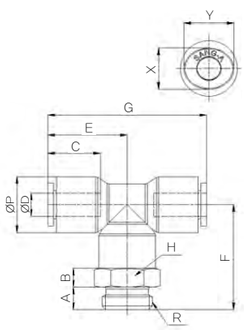


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95070402	CR-PST 04M5	4.0	11.8	4.0	8.0	14.5	26.4	18.0	44.4	M5	13.0	8.6	10.8	23.1	50
95070411	CR-PST 0401	4.0	11.8	8.0	8.0	14.5	30.4	18.0	48.4	PT 1/8	13.0	8.6	10.8	25.8	50
95070412	CR-PST 0402	4.0	11.8	11.0	8.0	14.5	33.4	18.0	51.4	PT 1/4	14.0	8.6	10.8	34.1	40
95070602	CR-PST 06M5	6.0	14.7	4.0	8.0	15.6	28.7	20.6	49.3	M5	15.0	11.0	13.0	36.8	40
95070611	CR-PST 0601	6.0	14.7	8.0	8.0	15.6	32.7	20.6	53.3	PT 1/8	15.0	11.0	13.0	38.3	40
95070612	CR-PST 0602	6.0	14.7	11.0	8.0	15.6	35.7	20.6	56.3	PT 1/4	15.0	11.0	13.0	45.0	40
95070811	CR-PST 0801	8.0	16.7	8.0	8.0	17.3	35.0	23.1	58.1	PT 1/8	17.0	13.0	15.0	43.1	30
95070812	CR-PST 0802	8.0	16.7	11.0	8.0	17.3	38.0	23.1	61.1	PT 1/4	17.0	13.0	15.0	49.3	25
95070813	CR-PST 0803	8.0	16.7	12.0	8.0	17.3	39.0	23.1	62.1	PT 3/8	17.0	13.0	15.0	57.9	25
95071012	CR-PST 1002	10.0	19.3	11.0	8.0	19.4	39.8	25.8	65.6	PT 1/4	20.0	16.0	18.5	63.1	20
95071013	CR-PST 1003	10.0	19.3	12.0	8.0	19.4	40.8	25.8	66.6	PT 3/8	20.0	16.0	18.5	71.6	20
95071014	CR-PST 1004	10.0	19.3	15.0	8.0	19.4	43.8	25.8	69.6	PT 1/2	21.0	16.0	18.5	92.0	20
95071212	CR-PST 1202	12.0	23.2	11.0	8.0	22.4	44.0	30.9	74.9	PT 1/4	24.0	19.5	22.5	98.2	15
95071213	CR-PST 1203	12.0	23.2	12.0	8.0	22.4	45.0	30.9	75.9	PT 3/8	24.0	19.5	22.5	98.4	15
95071214	CR-PST 1204	12.0	23.2	15.0	8.0	22.4	48.0	30.9	78.9	PT 1/2	24.0	19.5	22.5	115.9	15

CR-PT(G)

(Male Branch Tee)

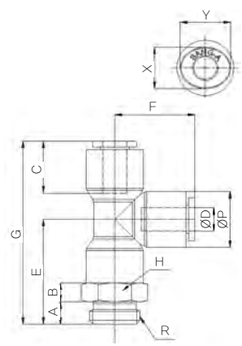


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95030431	CR-PT 04G01	4.0	11.8	5.3	8.0	14.5	18.0	27.7	36.0	PF 1/8	13.0	8.6	10.8	23.6	50
95030432	CR-PT 04G02	4.0	11.8	6.0	8.0	14.5	18.0	28.4	36.0	PF 1/4	17.0	8.6	10.8	33.0	50
95030631	CR-PT 06G01	6.0	14.7	5.3	8.0	15.6	20.6	30.0	41.2	PF 1/8	15.0	11.0	13.0	36.3	40
95030632	CR-PT 06G02	6.0	14.7	6.0	8.0	15.6	20.6	30.7	41.2	PF 1/4	17.0	11.0	13.0	42.5	40
95030831	CR-PT 08G01	8.0	16.7	5.3	8.0	17.3	23.1	32.3	46.2	PF 1/8	17.0	13.0	15.0	41.5	40
95030832	CR-PT 08G02	8.0	16.7	6.0	8.0	17.3	23.1	33.0	46.2	PF 1/4	17.0	13.0	15.0	44.1	25
95030833	CR-PT 08G03	8.0	16.7	7.0	8.0	17.3	23.1	34.0	46.2	PF 3/8	20.0	13.0	15.0	54.9	25
95031032	CR-PT 10G02	10.0	19.3	6.0	8.0	19.4	25.8	34.8	51.6	PF 1/4	20.0	16.0	18.5	58.6	20
95031033	CR-PT 10G03	10.0	19.3	7.0	8.0	19.4	25.8	35.8	51.6	PF 3/8	20.0	16.0	18.5	63.2	20
95031034	CR-PT 10G04	10.0	19.3	8.5	8.0	19.4	25.8	37.3	51.6	PF 1/2	24.0	16.0	18.5	82.4	20
95031232	CR-PT 12G02	12.0	23.2	6.0	8.0	22.4	30.9	39.0	61.8	PF 1/4	24.0	19.5	22.5	93.7	15
95031233	CR-PT 12G03	12.0	23.2	7.0	8.0	22.4	30.9	40.0	61.8	PF 3/8	24.0	19.5	22.5	91.2	15
95031234	CR-PT 12G04	12.0	23.2	8.5	8.0	22.4	30.9	41.5	61.8	PF 1/2	24.0	19.5	22.5	100.4	15

CR-PST(G)

(Male Run Tee)

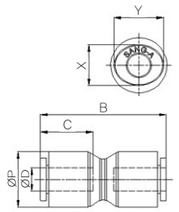


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95070431	CR-PST 04G01	4.0	11.8	5.3	8.0	14.5	27.7	18.0	45.7	PF 1/8	13.0	8.6	10.8	23.6	50
95070432	CR-PST 04G02	4.0	11.8	6.0	8.0	14.5	28.4	18.0	46.4	PF 1/4	17.0	8.6	10.8	33.0	40
95070631	CR-PST 06G01	6.0	14.7	5.3	8.0	15.6	30.0	20.6	50.6	PF 1/8	15.0	11.0	13.0	36.3	40
95070632	CR-PST 06G02	6.0	14.7	6.0	8.0	15.6	30.7	20.6	51.3	PF 1/4	17.0	11.0	13.0	42.5	40
95070831	CR-PST 08G01	8.0	16.7	5.3	8.0	17.3	32.3	23.1	55.4	PF 1/8	17.0	13.0	15.0	41.5	30
95070832	CR-PST 08G02	8.0	16.7	6.0	8.0	17.3	33.0	23.1	56.1	PF 1/4	17.0	13.0	15.0	44.1	25
95070833	CR-PST 08G03	8.0	16.7	7.0	8.0	17.3	34.0	23.1	57.1	PF 3/8	20.0	13.0	15.0	54.9	25
95071032	CR-PST 10G02	10.0	19.3	6.0	8.0	19.4	34.8	25.8	60.6	PF 1/4	20.0	16.0	18.5	58.6	20
95071033	CR-PST 10G03	10.0	19.3	7.0	8.0	19.4	35.8	25.8	61.6	PF 3/8	20.0	16.0	18.5	63.2	20
95071034	CR-PST 10G04	10.0	19.3	8.5	8.0	19.4	37.3	25.8	63.1	PF 1/2	24.0	16.0	18.5	82.4	20
95071232	CR-PST 12G02	12.0	23.2	6.0	8.0	22.4	39.0	30.9	69.9	PF 1/4	24.0	19.5	22.5	93.7	15
95071233	CR-PST 12G03	12.0	23.2	7.0	8.0	22.4	40.0	30.9	70.9	PF 3/8	24.0	19.5	22.5	91.2	15
95071234	CR-PST 12G04	12.0	23.2	8.5	8.0	22.4	41.5	30.9	72.4	PF 1/2	24.0	19.5	22.5	100.4	15

CR-PUC

(Union Straight)

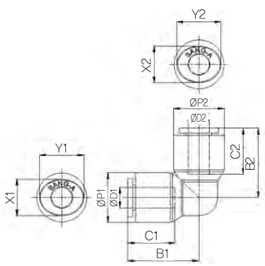


(mm)

CODE	MODEL	ØD	ØP	B	C	X	Y	W.G(g)	Q'ty/ inbox
95040400	CR-PUC 04	4.0	11.8	30.0	14.5	8.6	10.8	9.2	50
95040600	CR-PUC 06	6.0	14.7	32.8	15.6	11.0	13.0	15.8	40
95040800	CR-PUC 08	8.0	16.7	36.2	17.3	13.0	15.0	17.9	40
95041000	CR-PUC 10	10.0	19.3	41.0	19.4	16.0	18.5	24.2	25
95041200	CR-PUC 12	12.0	23.2	48.3	22.4	19.5	22.5	38.6	20

CR-PUL

(Union Elbow)

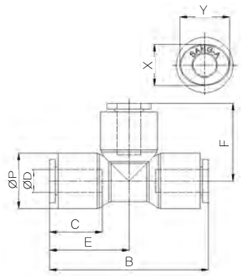


(mm)

CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B1	B2	C1	C2	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
95050400	CR-PUL 04	4.0	4.0	11.8	11.8	18.0	18.0	14.5	14.5	8.6	8.6	10.8	10.8	10.1	50
95050600	CR-PUL 06	6.0	6.0	14.7	14.7	20.6	20.6	15.6	15.6	11.0	11.0	13.0	13.0	16.9	40
95050800	CR-PUL 08	8.0	8.0	16.7	16.7	23.1	23.1	17.3	17.3	13.0	13.0	15.0	15.0	19.1	40
95051000	CR-PUL 10	10.0	10.0	19.3	19.3	25.8	25.8	19.4	19.4	16.0	16.0	18.5	18.5	26.3	25
95051200	CR-PUL 12	12.0	12.0	23.2	23.2	30.9	30.9	22.4	22.4	19.5	19.5	22.5	22.5	41.8	20
95054300	CR-PUL 0604	6.0	4.0	14.7	11.8	20.6	18.0	15.6	14.5	11.0	8.6	13.0	10.8	13.6	40
95054500	CR-PUL 0806	8.0	6.0	16.7	14.7	23.1	20.6	17.3	15.6	13.0	11.0	15.0	13.0	18.1	40
95054700	CR-PUL 1008	10.0	8.0	19.3	16.7	25.8	23.1	19.4	17.3	16.0	13.0	18.5	15.0	23.4	25
95055000	CR-PUL 1210	12.0	10.0	23.2	19.3	30.9	25.8	22.4	19.4	19.5	16.0	22.5	18.5	35.4	20

CR-PUT

(Union Tee)

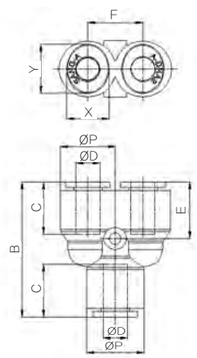


(mm)

CODE	MODEL	ØD	ØP	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
95060400	CR-PUT 04	4.0	11.8	36.0	14.5	18.0	18.3	8.6	10.8	14.1	50
95060600	CR-PUT 06	6.0	14.7	41.2	15.6	20.6	20.6	11.0	13.0	24.7	40
95060800	CR-PUT 08	8.0	16.7	46.2	17.3	23.1	23.1	13.0	15.0	28.0	30
95061000	CR-PUT 10	10.0	19.3	51.6	19.4	25.8	25.8	16.0	18.5	37.6	20
95061200	CR-PUT 12	12.0	23.2	61.8	22.4	30.9	30.9	19.5	22.5	59.4	15

CR-PY

(Union Y)



(mm)

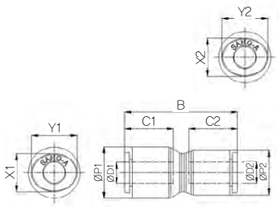
CODE	MODEL	ØD	ØP	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
95080400	CR-PY 04	4.0	11.8	31.0	14.5	13.1	11.0	8.6	10.8	14.4	50
95080600	CR-PY 06	6.0	14.7	35.4	15.6	14.9	13.6	11.0	13.0	25.3	40
95080800	CR-PY 08	8.0	16.7	42.7	17.3	18.1	15.4	13.0	15.0	30.4	25
95081000	CR-PY 10	10.0	19.3	45.5	19.4	17.5	17.5	16.0	18.5	39.8	20
95081200	CR-PY 12	12.0	23.2	53.6	22.4	20.9	21.5	19.5	22.5	62.1	15

CR-PG

(Reducer)

(mm)

CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
95314300	CR-PG 0604	6.0	4.0	14.7	11.8	31.2	15.6	14.5	11.0	8.6	13.0	10.8	12.6	40
95314500	CR-PG 0806	8.0	6.0	16.7	14.7	33.9	17.3	15.6	13.0	11.0	15.0	13.0	17.1	40
95314700	CR-PG 1008	10.0	8.0	19.3	16.7	38.9	19.4	17.3	16.0	13.0	18.5	15.0	21.4	25
95315000	CR-PG 1210	12.0	10.0	23.2	19.3	44.7	22.4	19.4	19.5	16.0	22.5	18.5	32.0	20

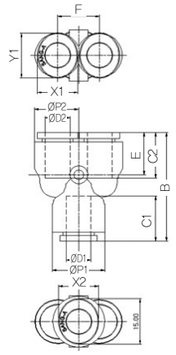


CR-PW

(Reducer Y)

(mm)

CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	E	F	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
95114300	CR-PW 0604	6.0	4.0	14.7	11.8	33.5	15.6	14.5	13.2	11.0	11.0	8.6	13.0	10.8	21.6	40
95114500	CR-PW 0806	8.0	6.0	16.7	14.7	38.0	17.3	15.6	14.9	13.6	13.0	11.0	15.0	13.0	26.2	25
95114700	CR-PW 1008	10.0	8.0	19.3	16.7	43.1	19.4	17.3	17.3	15.4	16.0	13.0	18.5	15.0	33.0	20
95115000	CR-PW 1210	12.0	10.0	23.2	19.3	48.9	22.4	19.4	18.0	17.5	19.5	16.0	22.5	18.5	46.9	15

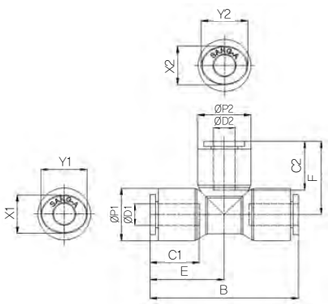


CR-PUG

(Different Dia of Union Tee)

(mm)

CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	E	F	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
95684300	CR-PUG 0604	6.0	4.0	14.7	11.8	41.2	15.6	14.5	20.6	19.6	11.0	8.6	13.0	10.8	21.8	40
95684500	CR-PUG 0806	8.0	6.0	16.7	14.7	46.2	17.3	15.6	23.1	21.9	13.0	11.0	15.0	13.0	27.8	30
95684700	CR-PUG 1008	10.0	8.0	19.3	16.7	51.6	19.4	17.3	25.8	25.1	16.0	13.0	18.5	15.0	36.0	20
95685000	CR-PUG 1210	12.0	10.0	23.2	19.3	61.8	22.4	19.4	30.9	27.5	19.5	16.0	22.5	18.5	54.8	15

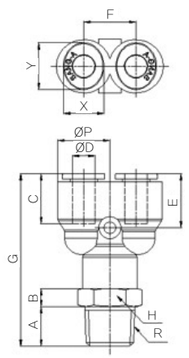


CR-PWT

(Male Y)

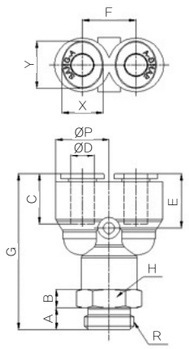
(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95090402	CR-PWT 04M5	4.0	11.8	4.0	8.0	14.5	13.1	10.8	39.4	M5	13.0	8.6	10.8	23.4	50
95090411	CR-PWT 0401	4.0	11.8	8.0	8.0	14.5	13.1	10.8	43.4	PT 1/8	13.0	8.6	10.8	26.1	50
95090412	CR-PWT 0402	4.0	11.8	11.0	8.0	14.5	13.1	10.8	46.4	PT 1/4	14.0	8.6	10.8	34.4	50
95090602	CR-PWT 06M5	6.0	14.7	4.0	8.0	15.6	14.9	13.6	43.5	M5	15.0	11.0	13.0	37.4	50
95090611	CR-PWT 0601	6.0	14.7	8.0	8.0	15.6	14.9	13.6	47.5	PT 1/8	15.0	11.0	13.0	38.9	50
95090612	CR-PWT 0602	6.0	14.7	11.0	8.0	15.6	14.9	13.6	50.5	PT 1/4	15.0	11.0	13.0	45.6	50
95090811	CR-PWT 0801	8.0	16.7	8.0	8.0	17.3	18.1	15.4	54.6	PT 1/8	17.0	13.0	15.0	45.5	50
95090812	CR-PWT 0802	8.0	16.7	11.0	8.0	17.3	18.1	15.4	57.6	PT 1/4	17.0	13.0	15.0	51.7	50
95090813	CR-PWT 0803	8.0	16.7	12.0	8.0	17.3	18.1	15.4	58.6	PT 3/8	17.0	13.0	15.0	60.4	25
95091012	CR-PWT 1002	10.0	19.3	11.0	8.0	19.4	17.5	17.7	59.5	PT 1/4	20.0	16.0	18.5	65.3	25
95091013	CR-PWT 1003	10.0	19.3	12.0	8.0	19.4	17.5	17.7	60.5	PT 3/8	20.0	16.0	18.5	73.7	25
95091014	CR-PWT 1004	10.0	19.3	15.0	8.0	19.4	17.5	17.7	63.5	PT 1/2	21.0	16.0	18.5	94.1	25
95091212	CR-PWT 1202	12.0	23.2	11.0	8.0	22.4	20.9	21.5	66.7	PT 1/4	24.0	19.5	22.5	100.8	20
95091213	CR-PWT 1203	12.0	23.2	12.0	8.0	22.4	20.9	21.5	67.7	PT 3/8	24.0	19.5	22.5	101.1	20
95091214	CR-PWT 1204	12.0	23.2	15.0	8.0	22.4	20.9	21.5	70.7	PT 1/2	24.0	19.5	22.5	118.6	20



CR-PWT(G)

(Male Y)

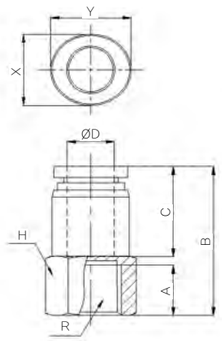


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95090431	CR-PWT 04G01	4.0	11.8	5.3	8.0	14.5	13.1	10.8	40.7	PF 1/8	13.0	8.6	10.8	23.9	50
95090432	CR-PWT 04G02	4.0	11.8	6.0	8.0	14.5	13.1	10.8	41.4	PF 1/4	17.0	8.6	10.8	33.3	50
95090631	CR-PWT 06G01	6.0	14.7	5.3	8.0	15.6	14.9	13.6	44.8	PF 1/8	15.0	11.0	13.0	36.9	50
95090632	CR-PWT 06G02	6.0	14.7	6.0	8.0	15.6	14.9	13.6	45.5	PF 1/4	17.0	11.0	13.0	43.1	50
95090831	CR-PWT 08G01	8.0	16.7	5.3	8.0	17.3	18.1	15.4	51.9	PF 1/8	17.0	13.0	15.0	43.9	50
95090832	CR-PWT 08G02	8.0	16.7	6.0	8.0	17.3	18.1	15.4	52.6	PF 1/4	17.0	13.0	15.0	46.6	50
95090833	CR-PWT 08G03	8.0	16.7	7.0	8.0	17.3	18.1	15.4	53.6	PF 3/8	20.0	13.0	15.0	57.3	25
95091032	CR-PWT 10G02	10.0	19.3	6.0	8.0	19.4	17.5	17.7	54.5	PF 1/4	20.0	16.0	18.5	60.8	25
95091033	CR-PWT 10G03	10.0	19.3	7.0	8.0	19.4	17.5	17.7	55.5	PF 3/8	20.0	16.0	18.5	65.3	25
95091034	CR-PWT 10G04	10.0	19.3	8.5	8.0	19.4	17.5	17.7	57.0	PF 1/2	24.0	16.0	18.5	84.5	25
95091232	CR-PWT 12G02	12.0	23.2	6.0	8.0	22.4	20.9	21.5	61.7	PF 1/4	24.0	19.5	22.5	96.4	20
95091233	CR-PWT 12G03	12.0	23.2	7.0	8.0	22.4	20.9	21.5	62.7	PF 3/8	24.0	19.5	22.5	93.8	20
95091234	CR-PWT 12G04	12.0	23.2	8.5	8.0	22.4	20.9	21.5	64.2	PF 1/2	24.0	19.5	22.5	103.0	20

CR-PCF(G)

(Female Straight)

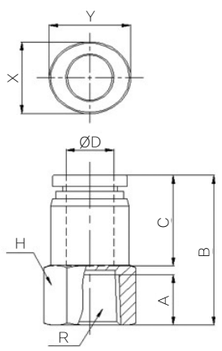


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
95230441	CR-PCF 04G01	4.0	9.0	24.4	14.5	13.0	PF1/8	8.6	10.8	13.8	50
95230641	CR-PCF 06G01	6.0	9.0	25.7	15.6	13.0	PF1/8	11.0	13.0	18.0	40
95230642	CR-PCF 06G02	6.0	12.0	28.7	15.6	17.0	PF1/4	11.0	13.0	27.3	40
95230841	CR-PCF 08G01	8.0	9.0	27.2	17.3	14.0	PF1/8	13.0	15.0	19.9	40
95230842	CR-PCF 08G02	8.0	12.0	30.2	17.3	17.0	PF1/4	13.0	15.0	27.3	40
95231042	CR-PCF 10G02	10.0	12.0	32.3	19.4	17.0	PF1/4	16.0	18.5	32.0	40
95231043	CR-PCF 10G03	10.0	13.0	33.3	19.4	19.0	PF3/8	16.0	18.5	33.2	20
95231243	CR-PCF 12G03	12.0	13.0	36.3	22.4	20.0	PF3/8	19.5	22.5	45.6	20
95231244	CR-PCF 12G04	12.0	16.0	39.3	22.4	24.0	PF1/2	19.5	22.5	58.8	20

CR-PCF(R)

(Female Straight)

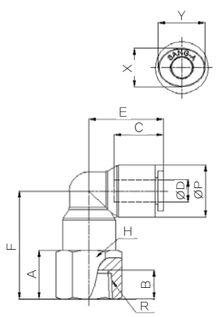


(mm)

CODE	MODEL	ØD	A	B	C	H	R	X	Y	W.G(g)	Q'ty/ inbox
95230421	CR-PCF 0401	4.0	9.0	24.4	14.5	13.0	PT1/8	8.6	10.8	14.1	50
95230621	CR-PCF 0601	6.0	9.0	25.7	15.6	13.0	PT1/8	11.0	13.0	18.3	40
95230622	CR-PCF 0602	6.0	12.0	28.7	15.6	17.0	PT1/4	11.0	13.0	27.9	40
95230821	CR-PCF 0801	8.0	9.0	27.2	17.3	14.0	PT1/8	13.0	15.0	20.2	40
95230822	CR-PCF 0802	8.0	12.0	30.2	17.3	17.0	PT1/4	13.0	15.0	27.9	40
95231022	CR-PCF 1002	10.0	12.0	32.3	19.4	17.0	PT1/4	16.0	18.5	32.6	40
95231023	CR-PCF 1003	10.0	13.0	33.3	19.4	19.0	PT3/8	16.0	18.5	34.2	20
95231223	CR-PCF 1203	12.0	13.0	36.3	22.4	20.0	PT3/8	19.5	22.5	46.5	20
95231224	CR-PCF 1204	12.0	16.0	39.3	22.4	24.0	PT1/2	19.5	22.5	60.7	20

CR-PLF

(Female Elbow)

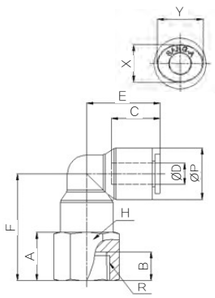


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
95300402	CR-PLF 04M5	4.0	11.8	8.0	5.0	14.5	18.0	22.4	M5	13.0	8.6	10.8	17.1	50
95300411	CR-PLF 0401	4.0	11.8	11.0	9.0	14.5	18.0	25.4	PT 1/8	13.0	8.6	10.8	17.6	50
95300412	CR-PLF 0402	4.0	11.8	14.0	12.0	14.5	18.0	28.4	PT 1/4	16.0	8.6	10.8	24.1	50
95300602	CR-PLF 06M5	6.0	14.7	8.0	5.0	15.6	20.6	24.7	M5	15.0	11.0	13.0	26.3	50
95300611	CR-PLF 0601	6.0	14.7	11.0	9.0	15.6	20.6	27.7	PT 1/8	15.0	11.0	13.0	28.0	40
95300612	CR-PLF 0602	6.0	14.7	14.0	12.0	15.6	20.6	30.7	PT 1/4	16.0	11.0	13.0	30.3	40
95300811	CR-PLF 0801	8.0	16.7	10.0	9.0	17.3	23.1	29.0	PT 1/8	17.0	13.0	15.0	33.5	40
95300812	CR-PLF 0802	8.0	16.7	14.0	12.0	17.3	23.1	33.0	PT 1/4	17.0	13.0	15.0	35.8	40
95300813	CR-PLF 0803	8.0	16.7	15.0	13.0	17.3	23.1	34.0	PT 3/8	19.0	13.0	15.0	37.2	25
95301012	CR-PLF 1002	10.0	19.3	14.0	12.0	19.4	25.8	34.8	PT 1/4	20.0	16.0	18.5	54.2	25
95301013	CR-PLF 1003	10.0	19.3	15.0	13.0	19.4	25.8	35.8	PT 3/8	20.0	16.0	18.5	48.9	20
95301014	CR-PLF 1004	10.0	19.3	19.0	16.0	19.4	25.8	39.8	PT 1/2	24.0	16.0	18.5	66.8	20
95301212	CR-PLF 1202	12.0	23.2	14.0	12.0	22.4	30.9	39.0	PT 1/4	24.0	19.5	22.5	86.0	20
95301213	CR-PLF 1203	12.0	23.2	15.0	13.0	22.4	30.9	40.0	PT 3/8	24.0	19.5	22.5	82.0	20
95301214	CR-PLF 1204	12.0	23.2	19.0	16.0	22.4	30.9	44.0	PT 1/2	24.0	19.5	22.5	81.5	20

CR-PLF(G)

(Female Elbow)

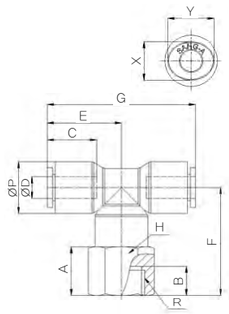


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	R	H	X	Y	W.G(g)	Q'ty/ inbox
95300431	CR-PLF 04G01	4.0	11.8	10.0	9.0	14.5	18.0	24.4	PF 1/8	13.0	8.6	10.8	16.3	50
95300432	CR-PLF 04G02	4.0	11.8	14.0	12.0	14.5	18.0	28.4	PF 1/4	16.0	8.6	10.8	24.2	50
95300631	CR-PLF 06G01	6.0	14.7	10.0	9.0	15.6	20.6	26.7	PF 1/8	15.0	11.0	13.0	26.3	40
95300632	CR-PLF 06G02	6.0	14.7	14.0	12.0	15.6	20.6	30.7	PF 1/4	16.0	11.0	13.0	30.3	40
95300831	CR-PLF 08G01	8.0	16.7	10.0	9.0	17.3	23.1	29.0	PF 1/8	17.0	13.0	15.0	33.2	40
95300832	CR-PLF 08G02	8.0	16.7	14.0	12.0	17.3	23.1	33.0	PF 1/4	17.0	13.0	15.0	35.2	40
95300833	CR-PLF 08G03	8.0	16.7	15.0	13.0	17.3	23.1	34.0	PF 3/8	19.0	13.0	15.0	42.8	25
95301032	CR-PLF 10G02	10.0	19.3	14.0	12.0	19.4	25.8	34.8	PF 1/4	20.0	16.0	18.5	53.6	25
95301033	CR-PLF 10G03	10.0	19.3	15.0	13.0	19.4	25.8	35.8	PF 3/8	20.0	16.0	18.5	48.4	20
95301034	CR-PLF 10G04	10.0	19.3	19.0	16.0	19.4	25.8	39.8	PF 1/2	24.0	16.0	18.5	65.1	20
95301232	CR-PLF 12G02	12.0	23.2	14.0	12.0	22.4	30.9	39.0	PF 1/4	24.0	19.5	22.5	85.4	20
95301233	CR-PLF 12G03	12.0	23.2	15.0	13.0	22.4	30.9	40.0	PF 3/8	24.0	19.5	22.5	81.1	20
95301234	CR-PLF 12G04	12.0	23.2	19.0	16.0	22.4	30.9	44.0	PF 1/2	24.0	19.5	22.5	84.5	20

CR-PTF(G)

(Female Branch Tee)

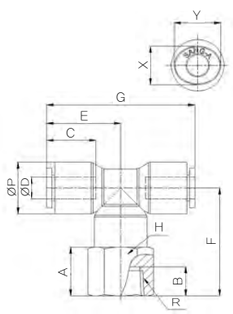


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95390441	CR-PTF 04G01	4.0	11.8	11.0	9.0	14.5	18.0	25.4	36.0	PT 1/8	13.0	8.6	10.8	20.2	50
95390442	CR-PTF 04G02	4.0	11.8	14.0	12.0	14.5	18.0	28.4	36.0	PT 1/4	16.0	8.6	10.8	28.2	50
95390641	CR-PTF 06G01	6.0	14.7	10.0	9.0	15.6	20.6	26.7	41.2	PF 1/8	15.0	11.0	13.0	34.1	40
95390642	CR-PTF 06G02	6.0	14.7	14.0	12.0	15.6	20.6	30.7	41.2	PF 1/4	16.0	11.0	13.0	38.1	40
95390841	CR-PTF 08G01	8.0	16.7	10.0	9.0	17.3	23.1	29.0	46.2	PF 1/8	17.0	13.0	15.0	42.1	40
95390842	CR-PTF 08G02	8.0	16.7	14.0	12.0	17.3	23.1	33.0	46.2	PF 1/4	17.0	13.0	15.0	44.1	25
95390843	CR-PTF 08G03	8.0	16.7	15.0	13.0	17.3	23.1	34.0	46.2	PF 3/8	19.0	13.0	15.0	51.7	25
95391032	CR-PTF 10G02	10.0	19.3	14.0	12.0	19.4	25.8	34.8	51.6	PF 1/4	20.0	16.0	18.5	64.9	20
95391033	CR-PTF 10G03	10.0	19.3	15.0	13.0	19.4	25.8	35.8	51.6	PF 3/8	20.0	16.0	18.5	59.7	20
95391034	CR-PTF 10G04	10.0	19.3	19.0	16.0	19.4	25.8	39.8	51.6	PF 1/2	24.0	16.0	18.5	76.4	20
95391232	CR-PTF 12G02	12.0	23.2	14.0	12.0	22.4	30.9	39.0	61.8	PF 1/4	24.0	19.5	22.5	103.1	15
95391233	CR-PTF 12G03	12.0	23.2	15.0	13.0	22.4	30.9	40.0	61.8	PF 3/8	24.0	19.5	22.5	98.7	15
95391234	CR-PTF 12G04	12.0	23.2	19.0	16.0	22.4	30.9	44.0	61.8	PF 1/2	24.0	19.5	22.5	102.2	15

CR-PTF

(Female Branch Tee)

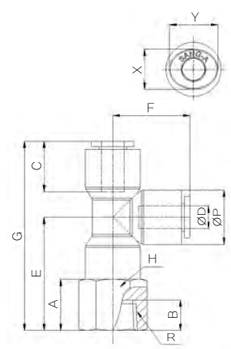


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95390402	CR-PTF 04M5	4.0	11.8	8.0	5.0	14.5	18.0	22.4	36.0	M5	13.0	8.6	10.8	21.1	50
95390421	CR-PTF 0401	4.0	11.8	11.0	9.0	14.5	18.0	25.4	36.0	PT 1/8	13.0	8.6	10.8	21.5	50
95390422	CR-PTF 0402	4.0	11.8	14.0	12.0	14.5	18.0	28.4	36.0	PT 1/4	16.0	8.6	10.8	28.0	50
95390602	CR-PTF 06M5	6.0	14.7	8.0	5.0	15.6	20.6	24.7	41.2	M5	15.0	11.0	13.0	34.2	40
95390621	CR-PTF 0601	6.0	14.7	11.0	9.0	15.6	20.6	27.7	41.2	PT 1/8	15.0	11.0	13.0	35.8	40
95390622	CR-PTF 0602	6.0	14.7	14.0	12.0	15.6	20.6	30.7	41.2	PT 1/4	16.0	11.0	13.0	38.1	40
95390821	CR-PTF 0801	8.0	16.7	10.0	9.0	17.3	23.1	29.0	46.2	PT 1/8	17.0	13.0	15.0	42.4	40
95390822	CR-PTF 0802	8.0	16.7	14.0	12.0	17.3	23.1	33.0	46.2	PT 1/4	17.0	13.0	15.0	44.7	25
95390823	CR-PTF 0803	8.0	16.7	15.0	13.0	17.3	23.1	34.0	46.2	PT 3/8	19.0	13.0	15.0	46.1	25
95391012	CR-PTF 1002	10.0	19.3	14.0	12.0	19.4	25.8	34.8	51.6	PT 1/4	20.0	16.0	18.5	65.5	20
95391013	CR-PTF 1003	10.0	19.3	15.0	13.0	19.4	25.8	35.8	51.6	PT 3/8	20.0	16.0	18.5	60.3	20
95391014	CR-PTF 1004	10.0	19.3	19.0	16.0	19.4	25.8	39.8	51.6	PT 1/2	24.0	16.0	18.5	78.1	20
95391212	CR-PTF 1202	12.0	23.2	14.0	12.0	22.4	30.9	39.0	61.8	PT 1/4	24.0	19.5	22.5	103.6	15
95391213	CR-PTF 1203	12.0	23.2	15.0	13.0	22.4	30.9	40.0	61.8	PT 3/8	24.0	19.5	22.5	99.6	15
95391214	CR-PTF 1204	12.0	23.2	19.0	16.0	22.4	30.9	44.0	61.8	PT 1/2	24.0	19.5	22.5	99.1	15

CR-PSTF

(Female Run Tee)

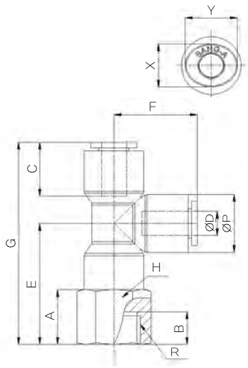


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95820402	CR-PSTF 04M5	4.0	11.8	8.0	5.0	14.5	22.4	18.0	40.4	M5	13.0	8.6	10.8	21.1	50
95820421	CR-PSTF 0401	4.0	11.8	11.0	9.0	14.5	25.4	18.0	43.4	PT 1/8	13.0	8.6	10.8	21.5	50
95820422	CR-PSTF 0402	4.0	11.8	14.0	12.0	14.5	28.4	18.0	46.4	PT 1/4	16.0	8.6	10.8	28.0	50
95820602	CR-PSTF 06M5	6.0	14.7	8.0	5.0	15.6	24.7	20.6	45.3	M5	15.0	11.0	13.0	34.2	40
95820621	CR-PSTF 0601	6.0	14.7	11.0	9.0	15.6	27.7	20.6	48.3	PT 1/8	15.0	11.0	13.0	35.8	40
95820622	CR-PSTF 0602	6.0	14.7	14.0	12.0	15.6	30.7	20.6	51.3	PT 1/4	16.0	11.0	13.0	38.1	40
95820821	CR-PSTF 0801	8.0	16.7	10.0	9.0	17.3	29.0	23.1	52.1	PT 1/8	17.0	13.0	15.0	42.4	40
95820822	CR-PSTF 0802	8.0	16.7	14.0	12.0	17.3	33.0	23.1	56.1	PT 1/4	17.0	13.0	15.0	44.7	25
95820823	CR-PSTF 0803	8.0	16.7	15.0	13.0	17.3	34.0	23.1	57.1	PT 3/8	19.0	13.0	15.0	46.1	25
95821012	CR-PSTF 1002	10.0	19.3	14.0	12.0	19.4	34.8	25.8	60.6	PT 1/4	20.0	16.0	18.5	65.5	20
95821013	CR-PSTF 1003	10.0	19.3	15.0	13.0	19.4	35.8	25.8	61.6	PT 3/8	20.0	16.0	18.5	60.3	20
95821014	CR-PSTF 1004	10.0	19.3	19.0	16.0	19.4	39.8	25.8	65.6	PT 1/2	24.0	16.0	18.5	78.1	20
95821212	CR-PSTF 1202	12.0	23.2	14.0	12.0	22.4	39.0	30.9	69.9	PT 1/4	24.0	19.5	22.5	103.6	15
95821213	CR-PSTF 1203	12.0	23.2	15.0	13.0	22.4	40.0	30.9	70.9	PT 3/8	24.0	19.5	22.5	99.6	15
95821214	CR-PSTF 1204	12.0	23.2	19.0	16.0	22.4	44.0	30.9	74.9	PT 1/2	24.0	19.5	22.5	99.1	15

CR-PSTF(G)

(Female Run Tee)

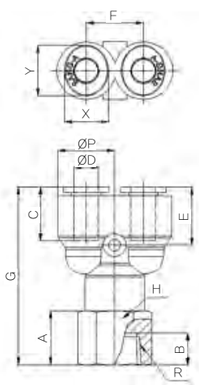


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95820441	CR-PSTF 04G01	4.0	11.8	11.0	9.0	14.5	25.4	18.0	43.4	PF 1/8	13.0	8.6	10.8	20.2	50
95820442	CR-PSTF 04G02	4.0	11.8	14.0	12.0	14.5	28.4	18.0	46.4	PF 1/4	17.0	8.6	10.8	28.2	50
95820641	CR-PSTF 06G01	6.0	14.7	10.0	9.0	15.6	26.9	20.6	47.5	PF 1/8	15.0	11.0	13.0	34.1	40
95820642	CR-PSTF 06G02	6.0	14.7	14.0	12.0	15.6	30.7	20.6	51.3	PF 1/4	16.0	11.0	13.0	38.1	40
95820841	CR-PSTF 08G01	8.0	16.7	10.0	9.0	17.3	29.0	23.1	52.1	PF 1/8	17.0	13.0	15.0	42.1	40
95820842	CR-PSTF 08G02	8.0	16.7	14.0	12.0	17.3	33.0	23.1	56.1	PF 1/4	17.0	13.0	15.0	44.1	25
95820843	CR-PSTF 08G03	8.0	16.7	15.0	13.0	17.3	34.0	23.1	57.1	PF 3/8	19.0	13.0	15.0	51.7	25
95821032	CR-PSTF 10G02	10.0	19.3	14.0	12.0	19.4	34.8	25.8	60.6	PF 1/4	20.0	16.0	18.5	64.9	20
95821033	CR-PSTF 10G03	10.0	19.3	15.0	13.0	19.4	35.8	25.8	61.6	PF 3/8	20.0	16.0	18.5	59.7	20
95821034	CR-PSTF 10G04	10.0	19.3	19.0	16.0	19.4	39.8	25.8	65.6	PF 1/2	24.0	16.0	18.5	76.4	20
95821232	CR-PSTF 12G02	12.0	23.2	14.0	12.0	22.4	39.0	30.9	69.9	PF 1/4	24.0	19.5	22.5	103.1	15
95821233	CR-PSTF 12G03	12.0	23.2	15.0	13.0	22.4	40.0	30.9	70.9	PF 3/8	24.0	19.5	22.5	98.7	15
95821234	CR-PSTF 12G04	12.0	23.2	19.0	16.0	22.4	44.0	30.9	74.9	PF 1/2	24.0	19.5	22.5	102.2	15

CR-PWF

(Female Y)

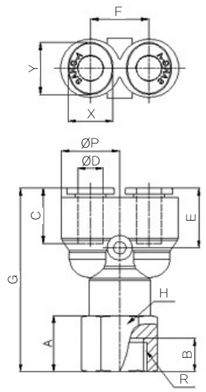


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95830402	CR-PWF 04M5	4.0	11.8	8.0	5.0	14.5	13.1	10.8	35.4	M5	13.0	8.6	10.8	21.4	50
95830421	CR-PWF 0401	4.0	11.8	11.0	9.0	14.5	13.1	10.8	38.4	PT 1/8	13.0	8.6	10.8	21.8	50
95830422	CR-PWF 0402	4.0	11.8	14.0	12.0	14.5	13.1	10.8	41.4	PT 1/4	16.0	8.6	10.8	28.3	50
95830602	CR-PWF 06M5	6.0	14.7	8.0	5.0	15.6	14.9	13.6	39.5	M5	15.0	11.0	13.0	34.7	50
95830621	CR-PWF 0601	6.0	14.7	11.0	9.0	15.6	14.9	13.6	42.5	PT 1/8	15.0	11.0	13.0	36.4	50
95830622	CR-PWF 0602	6.0	14.7	14.0	12.0	15.6	14.9	13.6	45.5	PT 1/4	16.0	11.0	13.0	38.7	50
95830821	CR-PWF 0801	8.0	16.7	10.0	9.0	17.3	18.1	15.4	48.6	PT 1/8	17.0	13.0	15.0	44.8	50
95830822	CR-PWF 0802	8.0	16.7	14.0	12.0	17.3	18.1	15.4	52.6	PT 1/4	17.0	13.0	15.0	47.2	50
95830823	CR-PWF 0803	8.0	16.7	15.0	13.0	17.3	18.1	15.4	53.6	PT 3/8	19.0	13.0	15.0	48.6	25
95831022	CR-PWF 1002	10.0	19.3	14.0	12.0	19.4	17.5	17.7	54.5	PT 1/4	20.0	16.0	18.5	67.7	25
95831023	CR-PWF 1003	10.0	19.3	15.0	13.0	19.4	17.5	17.7	55.5	PT 3/8	20.0	16.0	18.5	62.4	25
95831024	CR-PWF 1004	10.0	19.3	19.0	16.0	19.4	17.5	17.7	59.5	PT 1/2	24.0	16.0	18.5	80.3	25
95831222	CR-PWF 1202	12.0	23.2	14.0	12.0	22.4	20.9	21.5	61.7	PT 1/4	24.0	19.5	22.5	106.3	20
95831223	CR-PWF 1203	12.0	23.2	15.0	13.0	22.4	20.9	21.5	62.7	PT 3/8	24.0	19.5	22.5	102.3	20
95831224	CR-PWF 1204	12.0	23.2	19.0	16.0	22.4	20.9	21.5	66.7	PT 1/2	24.0	19.5	22.5	101.8	20

CR-PWF(G)

(Female Y)

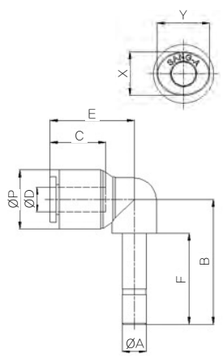


(mm)

CODE	MODEL	ØD	ØP	A	B	C	E	F	G	R	H	X	Y	W.G(g)	Q'ty/ inbox
95830441	CR-PWF 04G01	4.0	11.8	10.0	9.0	14.5	13.1	10.8	37.4	PF 1/8	13.0	8.6	10.8	20.5	50
95830442	CR-PWF 04G02	4.0	11.8	14.0	12.0	14.5	13.1	10.8	41.4	PF 1/4	16.0	8.6	10.8	28.5	50
95830641	CR-PWF 06G01	6.0	14.7	10.0	9.0	15.6	14.9	13.6	41.5	PF 1/8	15.0	11.0	13.0	34.7	50
95830642	CR-PWF 06G02	6.0	14.7	14.0	12.0	15.6	14.9	13.6	45.5	PF 1/4	16.0	11.0	13.0	38.7	50
95830841	CR-PWF 08G01	8.0	16.7	10.0	9.0	17.3	18.1	15.4	48.6	PF 1/8	17.0	13.0	15.0	44.5	50
95830842	CR-PWF 08G02	8.0	16.7	14.0	12.0	17.3	18.1	15.4	52.6	PF 1/4	17.0	13.0	15.0	46.5	50
95830843	CR-PWF 08G03	8.0	16.7	15.0	13.0	17.3	18.1	15.4	53.6	PF 3/8	19.0	13.0	15.0	54.2	25
95831042	CR-PWF 10G02	10.0	19.3	14.0	12.0	19.4	17.5	17.7	54.5	PF 1/4	20.0	16.0	18.5	67.1	25
95831043	CR-PWF 10G03	10.0	19.3	15.0	13.0	19.4	17.5	17.7	55.5	PF 3/8	20.0	16.0	18.5	61.9	25
95831044	CR-PWF 10G04	10.0	19.3	19.0	16.0	19.4	17.5	17.7	59.5	PF 1/2	24.0	16.0	18.5	78.5	25
95831242	CR-PWF 12G02	12.0	23.2	14.0	12.0	22.4	20.9	21.5	61.7	PF 1/4	24.0	19.5	22.5	105.7	20
95831243	CR-PWF 12G03	12.0	23.2	15.0	13.0	22.4	20.9	21.5	62.7	PF 3/8	24.0	19.5	22.5	101.4	20
95831244	CR-PWF 12G04	12.0	23.2	19.0	16.0	22.4	20.9	21.5	66.7	PF 1/2	24.0	19.5	22.5	104.9	20

CR-PLJ

(Plug-in Elbow)

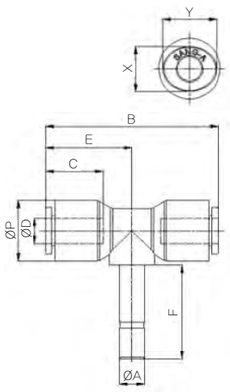


(mm)

CODE	MODEL	ØD	ØP	ØA	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
95140400	CR-PLJ 04	4.0	11.9	4.0	24.0	14.5	18.1	17.5	8.6	10.8	5.7	100
95140600	CR-PLJ 06	6.0	14.9	6.0	31.5	15.6	20.9	23.0	11.0	13.0	10.6	50
95140800	CR-PLJ 08	8.0	16.9	8.0	34.5	17.3	23.1	25.0	13.0	15.0	12.8	50
95141000	CR-PLJ 10	10.0	19.5	10.0	38.0	19.4	26.0	27.0	16.0	18.5	18.4	25
95141200	CR-PLJ 12	12.0	23.5	12.0	41.8	22.4	30.9	29.0	19.5	22.5	27.5	25

CR-PTJ

(Plug-in Tee)

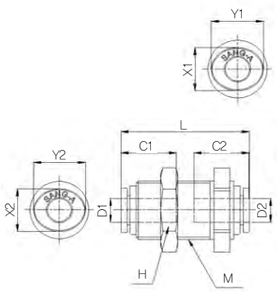


(mm)

CODE	MODEL	ØD	ØP	ØA	B	C	E	F	X	Y	W.G(g)	Q'ty/ inbox
95790400	CR-PTJ 04	4.0	11.9	4.0	36.2	14.5	18.1	17.5	8.6	10.8	10.3	50
95790600	CR-PTJ 06	6.0	14.9	6.0	41.8	15.6	20.9	23.0	11.0	13.0	18.3	25
95790800	CR-PTJ 08	8.0	16.9	8.0	46.2	17.3	23.1	25.0	13.0	15.0	21.3	25
95791100	CR-PTJ 10	10.0	19.5	10.0	52.0	19.4	26.0	27.0	16.0	18.5	30.4	16
95791200	CR-PTJ 12	12.0	23.5	12.0	61.8	22.4	30.9	29.0	19.5	22.5	45.9	16

CR-PPM

(Bulkhead Union P)

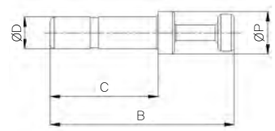


(mm)

CODE	MODEL	ØD1	ØD2	L	C1	C2	H	M	X1	X2	Y1	Y2	W.G(g)	Q'ty/ inbox
95550400	CR-PPM 04	4.0	4.0	30.0	14.5	14.5	17.0	M12X1	8.6	8.6	10.8	10.8	19.9	100
95550600	CR-PPM 06	6.0	6.0	32.2	15.6	15.6	19.0	M15X1	11.0	11.0	13.0	13.0	27.2	50
95550800	CR-PPM 08	8.0	8.0	35.6	17.3	17.3	22.0	M17X1	13.0	13.0	15.0	15.0	34.1	50
95551000	CR-PPM 10	10.0	10.0	40.0	19.4	19.4	27.0	M20X1	16.0	16.0	18.5	18.5	53.7	20
95551200	CR-PPM 12	12.0	12.0	46.8	22.4	22.4	30.0	M24X1	19.5	19.5	22.5	22.5	77.1	20

CR-PP

(Plug)



(mm)

CODE	MODEL	ØD	ØP	B	C	W.G(g)	Q'ty/inbox
95340400	CR-PP 04	4.0	6.0	28.5	17.5	0.5	100
95340600	CR-PP 06	6.0	8.0	34.0	20.0	1.2	100
95340800	CR-PP 08	8.0	10.0	41.0	22.0	2.1	100
95341000	CR-PP 10	10.0	12.0	40.9	25.0	3.1	50
95341200	CR-PP 12	12.0	14.0	43.0	27.0	4.5	50

Application & Feature

- The products are produced using a special grease for a medical.
- Produced safely without causing Cytotoxicity, skin irritation, Intracutaneous Irritation, and skin sensitization.
- The parts are washed, assembled and packed in a clean room.

Specification

Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~284psi	0~20kgf/㎠(0~1960kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Temperature Range	32~176℉	0~80℃
Applicable Tube Material	Polyurethane and Nylon	

Produce Code System

H-PC	08	02
①	②	③

① TYPE

② Tube Dia (ø D)

Code	04	06	08	10	12	16
Dia	ø4	ø6	ø8	ø10	ø12	ø16

Code	5/32	3/16	1/4	5/16	3/8	1/2
Dia	ø5/32	ø3/16	ø1/4	ø5/16	ø3/8	ø1/2

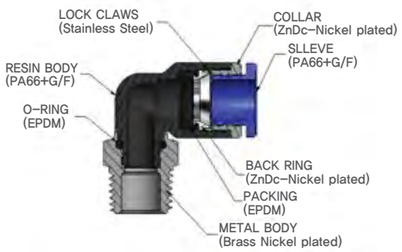
③ Thread Size *Metric Thread & R(PT) Thread

	Metric size		Taper Pipe Thread			
Code	M5	M6	01	02	03	04
Size	M5x0.8	M6x1.0	R1/8	R1/4	R3/8	R1/2

	Taper Pipe Thread			
Code	G01	G02	G03	G04
Size	G1/8	G1/4	G3/8	G1/2

	Unified Fine Thread	American Standard Taper Pipe Thread			
Code	U10U	N01U	N02U	N03U	N04U
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2

Structural Diagram



Health Care Fittings

H-GPC
(Male Straight)

H-GPC(G)
(Male Straight)

H-PC-C(G)
(Male Straight)

H-POC
(Round Male Straight)

H-GPL
(Male Elbow)

H-GPL(G)
(Male Elbow)

H-GPL(Inch)
(Male Elbow)

H-GPST(G)
(Male Run Tee)

H-GPUC
(Union Straight)

H-GPUL
(Union Elbow)

H-GPUT
(Union Tee)

H-GPY
(Union Y)

H-GPUG
(Different Dia of Union Tee)

H-GPZA
(Union Cross)

H-GPGJ
(Plug-In Reducer)

H-GPLJ
(Plug-In Elbow)

H-GPYJ
(Plug-in Y)

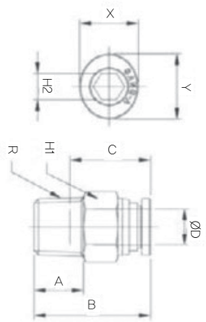
H-PP
(Plug)

Test Report

NO	Type	PU Tube	PBT	PA66 G/F	EPDM
1	Cytotoxicity	Pass	Pass	Pass	Pass
2	Skin Irritation	Pass	Pass	Pass	Pass
3	Intracutaneous Irritation	Pass	Pass	Pass	Pass
4	Skin Sensitization	Pass	Pass	Pass	Pass
5	BPA, Natural Rubber, Latex	ND	ND	ND	ND
6	Phthalate	ND	ND	ND	ND

H-GPC

(Male Straight)

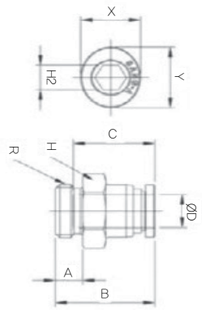


(mm)

CODE	MODEL	ØD	R	A	B	C	H1	H2	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72010301	H-GPC 03M3	3	M3	3	20.4	14.5	8	1.5	8.6	10.8	1.2	4.5	100
72010302	H-GPC 03M5	3	M5	4	20.1	14.5	8	2	8.6	10.8	2	4.7	100
72010303	H-GPC 03M6	3	M6	5	21.1	14.5	9	2	8.6	10.8	2	6.8	100
72010401	H-GPC 04M3	4	M3	3	20.4	14.5	8	1.5	8.6	10.8	1.2	4.2	100
72010402	H-GPC 04M5	4	M5	4	20.1	14.5	8	2	8.6	10.8	2	4.5	100
72010403	H-GPC 04M6	4	M6	5	21.1	14.5	9	3	8.6	10.8	3	6.3	100
72010411	H-GPC 0401	4	R1/8	8	20.1	14.5	10	3	8.6	10.8	3	8.6	100
72010412	H-GPC 0402	4	R1/4	11	20.1	14.5	14	3	8.6	10.8	3	17.3	100
72010413	H-GPC 0403	4	R3/8	12	21.1	14.5	17	3	8.6	10.8	3	30	50
72010602	H-GPC 06M5	6	M5	4	21.8	15.5	11	2	11	13	2	8.3	100
72010603	H-GPC 06M6	6	M6	5	22.8	15.5	11	3	11	13	3	8	100
72010611	H-GPC 0601	6	R1/8	8	22	15.5	11	4	11	13	4	9.2	100
72010612	H-GPC 0602	6	R1/4	11	22.8	15.5	14	4	11	13	4	18.2	100
72010613	H-GPC 0603	6	R3/8	12	21.8	15.5	17	4	11	13	4	28.4	50
72010614	H-GPC 0604	6	R1/2	15	25.8	15.5	21	4	11	13	4	54.4	50
72010811	H-GPC 0801	8	R1/8	8	27.7	17.8	13	5	13	15	5	13.7	100
72010812	H-GPC 0802	8	R1/4	11	25.7	17.8	14	6	13	15	6	17.1	100
72010813	H-GPC 0803	8	R3/8	12	23.7	17.8	17	6	13	15	6	27.3	50
72010814	H-GPC 0804	8	R1/2	15	26.7	17.8	21	6	13	15	6	51.8	50
72011011	H-GPC 1001	10	R1/8	8	29.4	19.4	17	5	16	18.5	5	22.2	50
72011012	H-GPC 1002	10	R1/4	11	32.4	19.4	17	6	16	18.5	6	27.6	50
72011013	H-GPC 1003	10	R3/8	12	28.4	19.4	17	8	16	18.5	8	29.3	50
72011014	H-GPC 1004	10	R1/2	15	27.3	19.4	21	8	16	18.5	8	48.5	50
72011211	H-GPC 1201	12	R1/8	8	32.4	22.4	19	5	19.5	22.5	5	28.9	50
72011212	H-GPC 1202	12	R1/4	11	35.4	22.4	19	6	19.5	22.5	6	34.2	50
72011213	H-GPC 1203	12	R3/8	12	31.8	22.4	19	8	19.5	22.5	8	33.5	50
72011214	H-GPC 1204	12	R1/2	15	33.8	22.4	21	8	19.5	22.5	8	54.8	25
72011413	H-GPC 1403	14	R3/8	12	39	24.4	22	8	23	25	8	53.9	25
72011414	H-GPC 1404	14	R1/2	15	36.5	24.4	22	10	23	25	10	58.9	25
72011613	H-GPC 1603	16	R3/8	12	39.7	25	24	8	24	27	8	58.7	25
72011614	H-GPC 1604	16	R1/2	15	42.2	25	24	10	24	27	10	58.2	25

H-GPC(G)

(Male Straight)

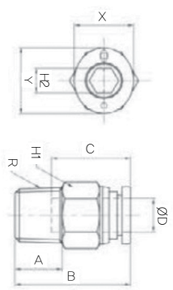


(mm)

CODE	MODEL	ØD	R	A	B	C	H	H2	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72010431	H-GPC 04G01	4	G1/8	5	18.4	14.5	13	3	8.6	10.8	3	8.4	100
72010432	H-GPC 04G02	4	G1/4	6	18.1	14.5	16	3	8.6	10.8	3	14.3	100
72010433	H-GPC 04G03	4	G3/8	7	18.1	14.5	20	3	8.6	10.8	3	24.1	50
72010631	H-GPC 06G01	6	G1/8	5	23.1	15.5	13	4	11	13	4	10.7	100
72010632	H-GPC 06G02	6	G1/4	6	19.8	15.5	16	4	11	13	4	14.2	100
72010633	H-GPC 06G03	6	G3/8	7	18.8	15.5	20	4	11	13	4	23.1	50
72010634	H-GPC 06G04	6	G1/2	8.5	19.3	15.5	24	4	11	13	4	42.9	50
72010831	H-GPC 08G01	8	G1/8	5	26	17.8	13	5	13	15	5	12.5	50
72010832	H-GPC 08G02	8	G1/4	6	21.7	17.8	16	6	13	15	6	14.1	50
72010833	H-GPC 08G03	8	G3/8	7	22.7	17.8	20	6	13	15	6	25.1	50
72010834	H-GPC 08G04	8	G1/2	8.5	23.7	17.8	24	6	13	15	6	41.9	50
72011031	H-GPC 10G01	10	G1/8	5	27.6	19.4	16	5	16	18.5	5	18	50
72011032	H-GPC 10G02	10	G1/4	6	28.3	19.4	16	6	16	18.5	6	20.7	50
72011033	H-GPC 10G03	10	G3/8	7	24.3	19.4	20	8	16	18.5	8	22.6	50
72011034	H-GPC 10G04	10	G1/2	8.5	24.8	19.4	24	8	16	18.5	8	39.9	50
72011231	H-GPC 12G01	12	G1/8	5	31.7	22.4	19	5	19.5	22.5	5	29.1	50
72011232	H-GPC 12G02	12	G1/4	6	32.4	22.4	19	6	19.5	22.5	6	32.3	50
72011233	H-GPC 12G03	12	G3/8	7	32.4	22.4	20	9	19.5	22.5	9	33.5	50
72011234	H-GPC 12G04	12	G1/2	8.5	28.9	22.4	24	10	19.5	22.5	10	41.1	25
72011433	H-GPC 14G03	14	G3/8	7	34.5	24.4	22	9	23	25	9	46.6	25
72011434	H-GPC 14G04	14	G1/2	8.5	36	24.4	24	11	23	25	11	57	25
72011633	H-GPC 16G03	16	G3/8	7	35.5	25	24	9	24	27	9	51.5	25
72011634	H-GPC 16G04	16	G1/2	8.5	36.5	25	24	11	24	27	11	56.9	25

H-PC-C(G)

(Male Straight)

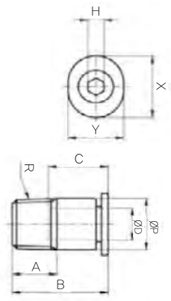


(mm)

CODE	MODEL	ØD	R	C	B	H	A	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
73015331	H-PC 1/8-G01C	1/8	G1/8	11.2	17.7	10.0	3.5	7.0	6.0	2.0	6.1	100

H-POC

(Round Male Straight)

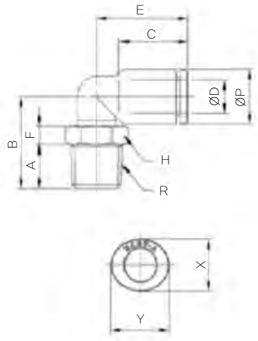


(mm)

CODE	MODEL	ØD	R	C	A	B	H	ØP	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
73225372	H-POC 1/8-U10C	1/8	UNF10*32	10.3	3.5	15.2	3/32	8	7.2	6.2	2	3.8	100
73220472	H-POC 04-U10C	4	M5	8.2	4	20.1	14.5	2	8.6	10.8	2	4.2	100
73220672	H-POC 06-U10C	6	M5	12.5	3.5	17.3	2.5	10	12	10	2	3.9	100

H-GPL

(Male Elbow)

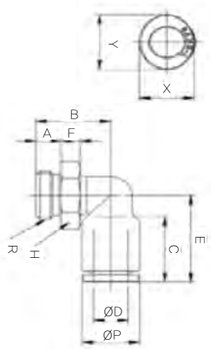


(mm)

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72020301	H-GPL 03M3	3	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.5	100
72020302	H-GPL 03M5	3	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	4.7	100
72020303	H-GPL 03M6	3	M6	9	5	14.6	14.5	17.1	4.4	9	8.6	10.8	2.5	5.2	100
72020401	H-GPL 04M3	4	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.4	100
72020402	H-GPL 04M5	4	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	4.6	100
72020403	H-GPL 04M6	4	M6	9	5	15.6	14.5	17.1	4.4	9	8.6	10.8	3	5	100
72020411	H-GPL 0401	4	R1/8	9	8	17.8	14.5	17.1	5	10	8.6	10.8	3.2	7.9	100
72020412	H-GPL 0402	4	R1/4	9	11	20.8	14.5	17.1	5	14	8.6	10.8	3.2	17	100
72020413	H-GPL 0403	4	R3/8	9	12	21.8	14.5	17.1	5	17	8.6	10.8	3.2	26.4	50
72020602	H-GPL 06M5	6	M5	11.2	4	15.7	15.5	18	4.4	9	11	13	2	5.4	100
72020603	H-GPL 06M6	6	M6	11.2	5	16.7	15.5	18	4.4	9	11	13	3	5.9	100
72020611	H-GPL 0601	6	R1/8	11.2	8	18.9	15.5	18	5	10	11	13	4	8.7	100
72020612	H-GPL 0602	6	R1/4	11.2	11	21.9	15.5	18	5	14	11	13	4	17.8	50
72020613	H-GPL 0603	6	R3/8	11.2	12	22.9	15.5	18	5	17	11	13	4	27.2	50
72020614	H-GPL 0604	6	R1/2	11.2	15	26.9	15.5	18	6	21	11	13	4	49.5	25
72020811	H-GPL 0801	8	R1/8	13.6	8	20.3	17.8	23.6	5	10	13	15	5.5	10.4	50
72020812	H-GPL 0802	8	R1/4	13.6	11	22.8	17.8	23.6	4.5	14	13	15	5.5	19.1	50
72020813	H-GPL 0803	8	R3/8	13.6	12	23.8	17.8	23.6	4.5	17	13	15	5.5	28.4	50
72020814	H-GPL 0804	8	R1/2	13.6	15	27.8	17.8	23.6	5.5	21	13	15	5.5	50.7	25
72021011	H-GPL 1001	10	R1/8	16.3	8	23.6	19.4	25	6.5	17	16	18.5	6	20.8	50
72021012	H-GPL 1002	10	R1/4	16.3	11	26.6	19.4	25	6.5	17	16	18.5	8	25.5	25
72021013	H-GPL 1003	10	R3/8	16.3	12	26.1	19.4	25	5	17	16	18.5	9	27.5	25
72021014	H-GPL 1004	10	R1/2	16.3	15	29.1	19.4	25	5	21	16	18.5	9	47.2	25
72021211	H-GPL 1201	12	R1/8	19.7	8	25.5	22.4	32.2	6.5	17	19.5	22.5	6	26.4	25
72021212	H-GPL 1202	12	R1/4	19.7	11	28.5	22.4	32.2	6.5	17	19.5	22.5	8	31.1	25
72021213	H-GPL 1203	12	R3/8	19.7	12	28	22.4	32.2	5	17	19.5	22.5	9.5	33.1	25
72021214	H-GPL 1204	12	R1/2	19.7	15	31	22.4	32.2	5	21	19.5	22.5	9.5	52.8	25
72021413	H-GPL 1403	14	R3/8	23.5	12	35	24.4	31.9	10.5	20	23	25	11	52.7	20
72021414	H-GPL 1404	14	R1/2	23.5	15	37.5	24.4	31.9	10	21	23	25	12	67	20
72021613	H-GPL 1603	16	R3/8	25.6	12	36	25	34	10.5	20	24	27	11	52.9	20
72021614	H-GPL 1604	16	R1/2	25.6	15	38.5	25	34	10	21	24	27	13	67.2	20

H-GPL(G)

(Male Elbow)

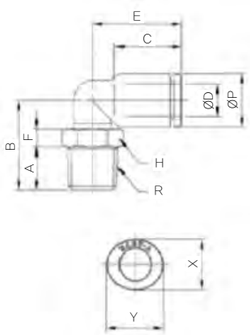


(mm)

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72020431	GPL 04G01	4	G1/8	9	5	14.6	14.5	17.1	4.5	13	8.6	10.8	3.2	8	100
72020432	GPL 04G02	4	G1/4	9	6	15.3	14.5	17.1	4.5	16	8.6	10.8	3.2	13.4	100
72020433	GPL 04G03	4	G3/8	9	7	16.8	14.5	17.1	5	20	8.6	10.8	3.2	22.4	50
72020631	GPL 06G01	6	G1/8	11.2	5	15.7	15.5	18	4.5	13	11	13	4	8.8	100
72020632	GPL 06G02	6	G1/4	11.2	6	16.4	15.5	18	4.5	16	11	13	4	14.2	50
72020633	GPL 06G03	6	G3/8	11.2	7	17.9	15.5	18	5	20	11	13	4	23.2	50
72020634	GPL 06G04	6	G1/2	11.2	8.5	19.9	15.5	18	5.5	24	11	13	4	39.3	25
72020831	GPL 08G01	8	G1/8	13.6	5	19.6	17.8	23.6	7	13	13	15	5.5	13.3	50
72020832	GPL 08G02	8	G1/4	13.6	6	17.8	17.8	23.6	4.5	16	13	15	5.5	16	50
72020833	GPL 08G03	8	G3/8	13.6	7	18.8	17.8	23.6	4.5	20	13	15	5.5	24.1	50
72020834	GPL 08G04	8	G1/2	13.6	8.5	20.8	17.8	23.6	5	24	13	15	5.5	39.8	25
72021031	GPL 10G01	10	G1/8	16.3	5	21.9	19.4	25	5.5	15	16	18.5	6	16.3	50
72021032	GPL 10G02	10	G1/4	16.3	6	22.6	19.4	25	7.5	16	16	18.5	8	20.1	25
72021033	GPL 10G03	10	G3/8	16.3	7	21.1	19.4	25	5	20	16	18.5	9	23.5	25
72021034	GPL 10G04	10	G1/2	16.3	8.5	22.6	19.4	25	5	24	16	18.5	9	38.6	25
72021231	GPL 12G01	12	G1/8	19.7	5	23.8	22.4	32.2	5.5	15	19.5	22.5	6	21.9	25
72021232	GPL 12G02	12	G1/4	19.7	6	24.5	22.4	32.2	7.5	16	19.5	22.5	8	25.8	25
72021233	GPL 12G03	12	G3/8	19.7	7	23	22.4	32.2	5	20	19.5	22.5	9.5	29.2	25
72021234	GPL 12G04	12	G1/2	19.7	8.5	24.5	22.4	32.2	5	24	19.5	22.5	9.5	44.2	25
72021433	GPL 14G03	14	G3/8	23.5	7	30.5	24.4	31.9	11	20	23	25	11.5	45	20
72021434	GPL 14G04	14	G1/2	23.5	8.5	26	24.4	31.9	5	24	23	25	12	44.6	20
72021633	GPL 16G03	16	G3/8	25.6	7	31.5	25	34	11	20	24	27	11.5	45.2	20
72021634	GPL 16G04	16	G1/2	25.6	8.5	27	25	34	5	24	24	27	13	44.8	20

H-GPL(Inch)

(Male Elbow)

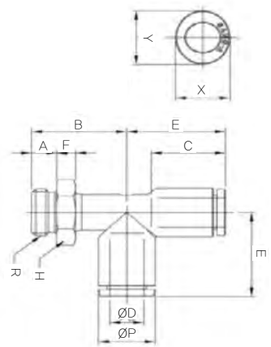


(mm)

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (mm)	W.G(g)	Q'ty/ InBox
72025602	H-GPL 1/4-M5	1/4	M5	11.7	4	20.7	15.5	18	5.4	9	11.4	13.4	2.5	6.1	100

H-GPST(G)

(Male Run Tee)

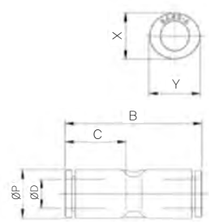


(mm)

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72070431	H-GPST 04G01	4	G1/8	9	5	14.6	14.5	17.1	4.5	13	8.6	10.8	4	9.6	50
72070631	H-GPST 06G01	6	G1/8	11.2	5	15.7	15.5	18	4.5	13	11	13	4	11.4	50

H-GPUC

(Union Straight)

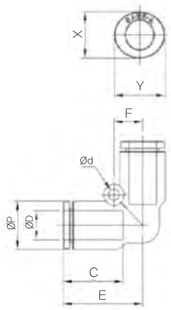


(mm)

CODE	MODEL	ØD	R	B	C	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72040300	H-GPUC 03	3	9	30.2	14.5	8.6	10.8	2.5	3.3	100
72040400	H-GPUC 04	4	9	30.2	14.5	8.6	10.8	3.2	3.1	100
72040600	H-GPUC 06	6	11.2	32	15.5	11	13	5	4.8	50
72040800	H-GPUC 08	8	13.6	40.2	17.8	13	15	7	8.8	50
72041000	H-GPUC 10	10	16.3	40	19.4	16	8.5	9	10.6	50
72041200	H-GPUC 12	12	19.7	54.8	22.4	19.5	22.5	10	20.9	25
72041400	H-GPUC 14	14	23.5	50.8	24.4	23	25	12	32.7	20
12041600	H-GPUC 16	16	25.6	52	25	24	27	14	32.8	20

H-GPUL

(Union Elbow)

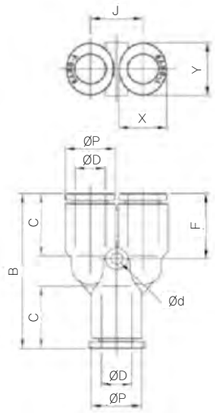


(mm)

CODE	MODEL	ØD	ØP	B	C	F	Ød	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72050300	H-GPUL 03	3	9	17.1	14.5	6	3.2	8.6	10.8	2.5	3.5	100
72050400	H-GPUL 04	4	9	17.1	14.5	6	3.2	8.6	10.8	3.2	3.2	100
72050600	H-GPUL 06	6	11.2	19	15.5	6.7	3.2	11	13	5	4.9	50
72050800	H-GPUL 08	8	13.6	23.6	17.8	8.5	3.2	13	15	7	9.4	50
72051000	H-GPUL 10	10	16.3	25	19.4	10	4.2	16	18.5	9	11.8	25
72051200	H-GPUL 12	12	19.7	32.2	22.4	12	4.2	19.5	22.5	10	22.5	25
72051400	H-GPUL 14	14	23.5	31.9	24.4	13.5	4.2	23	25	12	36.7	20
72051600	H-GPUL 16	16	25.6	34	25	15	4.2	24	27	14	36.5	20

H-GPY

(Union Y)

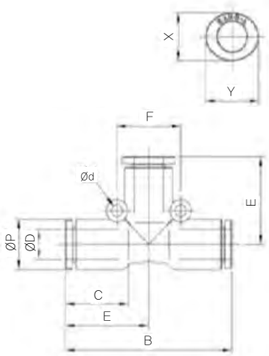


(mm)

CODE	MODEL	øD	ØP	B	C	F	J	Ød	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72080300	H-GPY 03	3	9	31.2	14.5	13.2	9.3	3.2	8.6	10.8	2.1	5.2	100
72080400	H-GPY 04	4	9	31.2	14.5	13.2	9.3	3.2	8.6	10.8	2.1	4.9	100
72080600	H-GPY 06	6	11.2	34.7	15.5	14.1	11.4	3.2	11	13	2.3	7.3	50
72080800	H-GPY 08	8	13.6	44.2	17.8	18.6	14.2	3.2	13	15	5.4	13.9	50
72081000	H-GPY 10	10	16.3	46	19.4	18	17	4.2	16	18.5	6.4	17.7	25
72081200	H-GPY 12	12	19.7	56.8	22.4	23.9	20	4.2	19.5	22.5	7.3	32.5	20
72081400	H-GPY 14	14	23.5	59.3	24.4	24.4	24	4.2	23	25	8.8	53.7	16
72081600	H-GPY 16	16	25.6	62	25	24	26	4.2	24	27	12	55.5	12

H-GPUT

(Union Tee)

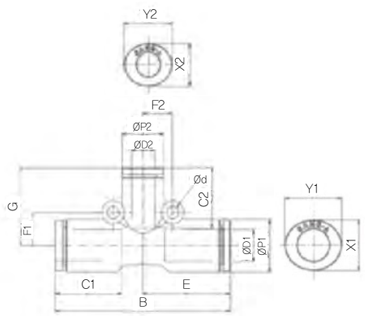


(mm)

CODE	MODEL	øD	ØP	B	C	E	F	Ød	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72060400	H-GPUT 04	4	9	34.2	14.5	17.1	12	3.2	8.6	10.8	3.2	5	100
72060600	H-GPUT 06	6	11.2	38	15.5	19	13	3.2	11	13	5	7.3	50
72060800	H-GPUT 08	8	13.6	47.2	17.8	23.6	18	3.2	13	15	7	14.1	50

H-GPUG

(Different Dia of Union Tee)



(mm)

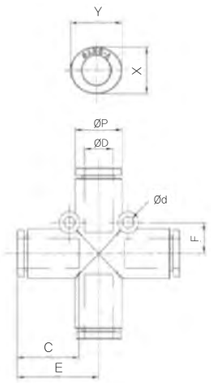
CODE	MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	E	F1	F2	G	Ød	X1	Y1	X2	Y2	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72684500	H-GPUG 0806	8	6	13.6	11.2	47.2	17.8	15.5	23.6	8.5	8	20	3.2	13	15	11	13	5	10	50

H-GPZA

(Union Cross)

(mm)

CODE	MODEL	ØD	ØP	C	E	F	Ød	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72210600	H-GPZA 06	6	11.2	15.5	19	6.5	3.2	11	13	5	8.9	50

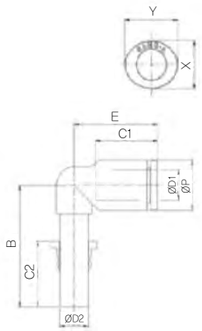


H-GPLJ

(Plug-In Elbow)

(mm)

CODE	MODEL	ØD	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72140600	H-GPLJ 06	6	6	11.2	29.6	15.5	15.5	18	8.6	13	4	3	50
72140800	H-GPLJ 08	8	8	13.6	32.8	17.8	17.8	23.6	13	15	6	4.9	50

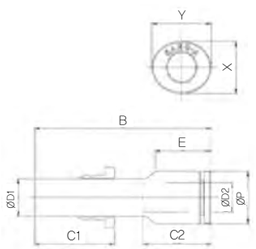


H-GPGJ

(Plug-In Reducer)

(mm)

CODE	MODEL	ØD	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72184500	H-GPGJ 0806	8	6	11.2	39.5	17.8	15.5	12.6	11	13	5	2.9	50

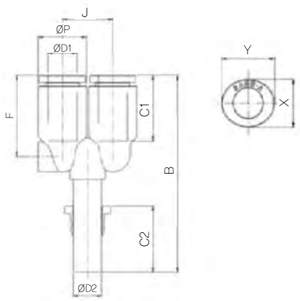


H-GPYJ

(Plug-in Y)

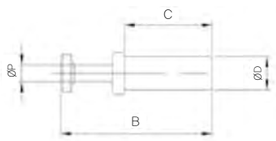
(mm)

CODE	MODEL	ØD1	ØD2	ØP	B	C1	C2	F	J	X	Y	Orifice (ø mm)	W.G(g)	Q'ty/ inbox
72150600	H-GPYJ 06	6	6	11.2	45	15.5	15.5	17.2	11.4	11	13	3.5	5.4	50
72150800	H-GPYJ 08	8	8	13.6	53.1	17.8	17.8	22	14.2	13	15	4.4	9.2	50



H-PP

(Plug)



(mm)

CODE	MODEL	ØD	B	ØP	C	W.G(g)	Q'ty/inbox
72340400	H-PP 04	4	30	2	13	0.4	100
72340600	H-PP 06	6	34	3	20	0.7	100
72340800	H-PP 08	8	38	4	22	1.4	100