

How to Order?

Series No.	O.D. Tube	—	Thread Size	Thread Type	Ways
EHVFS	04: 4mm	5/32:	5/32"	01: 1/8 "	Blank: 3 ways B: 2 ways
	06: 6mm	1/4:	1/4"	02: 1/4 "	
	08: 8mm	5/16:	5/16"	03: 3/8 "	
	10: 10mm	3/8:	3/8"	04: 1/2 "	
	12: 12mm	1/2:	1/2"		

Order example:

EHVFS series plastic fitting, for 6mm O.D. Tube, G1/8" Thread Size, ERP code is EHVFS06-01G

Series No.	Thread Size	—	Thread Size	Thread Type	Ways
EHVSS	01: 1/8 "		01: 1/8 "	Blank: G P: PT	Blank: 3 ways B: 2 ways
	02: 1/4 "		02: 1/4 "		
	03: 3/8 "		03: 3/8 "		
	04: 1/2 "		04: 1/2 "		

Order example:

EHVSS series plastic fitting, for G1/8" Thread Size, G1/8" Thread Size, ERP code is EHVSS01-01G

Series No.	O.D. Tube	—	O.D. Tube	Ways
EHVFF	04: 4mm	5/32:	5/32"	Blank: 3 ways B: 2 ways
	06: 6mm	1/4:	1/4"	
	08: 8mm	5/16:	5/16"	
	10: 10mm	3/8:	3/8"	
	12: 12mm	1/2:	1/2"	

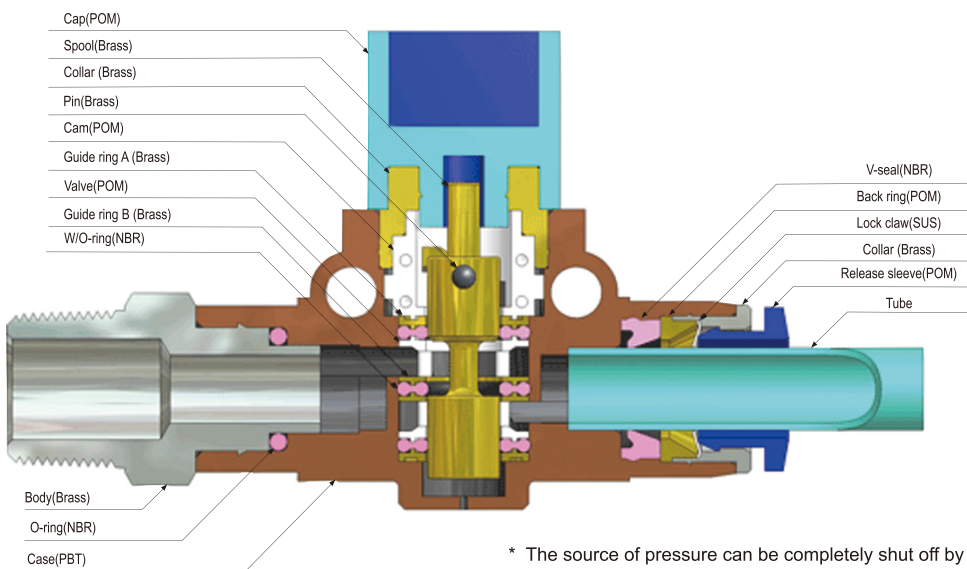
Order example:

EHVFF series plastic fitting, for 6mm O.D. Tube, 4mm O.D. Tube, ERP code is EHVFF06-04

Specifications

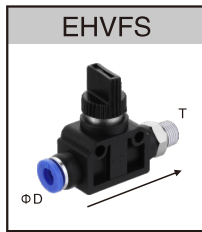
Working medium	Air, Vacuum
Working pressure (MPa)	0~0.8
Guaranteed pressure (MPa)	1.2
Working temperature (°C)	0~60
Tube material	Nylon PU tube

Internal Structure

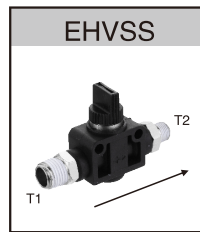


- * The source of pressure can be completely shut off by simply turning the knob.
- * Three-way directional control configuration releases the residual internal pressure on the output side when manually closed.
- * Ideal for inspecting or repairing any devices without compromising the safety.
- * Directionality of airflow may be selected from the tubing or threaded input side to the tubing or threaded output side.

Hand Valve



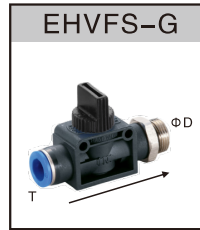
MODEL[ϕ D-T]		
Tube(Metric)	Thread(PT)	
EHVFS 06-01P	EHVFS 10-02P	EHVFS 12-02P
EHVFS 06-02P	EHVFS 10-03P	EHVFS 12-03P
EHVFS 06-03P	EHVFS 10-04P	
EHVFS 08-01P		
EHVFS 08-02P		
EHVFS 08-03P		



MODEL[T1-T2]		
Thread(PT)		
EHVSS 01-01P	EHVSS 04-03P	
EHVSS 02-01P	EHVSS 04-04P	
EHVSS 02-02P		
EHVSS 03-02P		
EHVSS 03-03P		



MODEL[ϕ D1- ϕ D2]		
Tube(Metric)		
EHVFF 06-06	EHVFF 12-10	
EHVFF 08-06	EHVFF 12-12	
EHVFF 08-08		
EHVFF 10-08		
EHVFF 10-10		



MODEL[T- ϕ D]		
Tube(Metric)	Thread(G)	
EHVFS06-01G	EHVFS08-03G	EHVFS12-02G
EHVFS06-02G	EHVFS10-02G	EHVFS12-03G
EHVFS06-03G	EHVFS10-03G	EHVFS12-04G
EHVFS08-01G	EHVFS10-04G	
EHVFS08-02G		



MODEL[ϕ T1- ϕ T2]		
Thread(G)		
EHVSS 01-02G	EHVSS 04-03G	
EHVSS 02-01G	EHVSS 04-04G	
EHVSS 02-02G		
EHVSS 03-02G		
EHVSS 03-03G		

Main Dimension

EHVFS	Model	C	d	E	F	L	M	R	A	H	Main Dimension
	EHVFS06-02P	6	4.2	16.5	24	60.2	18	PT1/4	9.5	40.5	
	EHVFS06-03P	6	4.2	16.5	24	61.2	18	PT3/8	10.5	40.5	
	EHVFS08-01P	8	4.2	16.5	24	59.2	18	PT1/8	7.5	40.5	
	EHVFS08-02P	8	4.2	16.5	24	61.2	18	PT1/4	9.5	40.5	
	EHVFS08-03P	8	4.2	16.5	24	62.2	18	PT3/8	10.5	40.5	
	EHVFS10-02P	10	4.2	21.5	29	71.2	22	PT1/4	9.5	45	
	EHVFS10-03P	10	4.2	21.5	29	72.2	22	PT3/8	10.5	45	
	EHVFS10-04P	10	4.2	21.5	29	75.2	22	PT1/2	13.5	45	
	EHVFS12-02P	12	4.2	21.5	29	71.2	22	PT1/4	9.5	45	
	EHVFS12-03P	12	4.2	21.5	29	72.2	22	PT3/8	10.5	45	

EHVFF	Model	C	D	P	d	E	F	L	M	H	Main Dimension
	EHVFF08-06	8	6	15	4.2	16.5	24	52	18	40.5	
	EHVFF08-08	8	8	15	4.2	16.5	24	53	18	40.5	
	EHVFF10-08	10	8	21	4.2	21.5	29	63	22	45	
	EHVFF10-10	10	10	21	4.2	21.5	29	63	22	45	
	EHVFF12-10	12	10	21	4.2	21.5	29	64	22	45	
	EHVFF12-12	12	12	21	4.2	21.5	29	64	22	45	

Hand Valve/Speed Controller



○ Main Dimension

EHVSS-G	Model	H	d	E	F	L	M	R1	A	R2	B	Main Dimension
	EHVSS02-01G	40.5	4.2	16.5	24	61.9	18	G1/4	6.5	G1/8	5	
	EHVSS02-02G	40.5	4.2	16.5	24	63.4	18	G1/4	6.5	G1/4	6.5	
	EHVFS03-02G	45	4.2	16.5	24	73.9	18	G3/8	7	G1/4	6.5	
	EHVFS03-03G	45	4.2	16.5	24	74.4	18	G3/8	7	G3/8	7	
	EHVFS04-03G	45	4.2	16.5	24	78.4	18	G1/2	10	G3/8	7	
	EHVFS04-04G	45	4.2	21.5	29	81.4	22	G1/2	10	G1/2	10	

EHVSS	Model	H	d	E	F	L	M	R1	A	R2	B	Main Dimension
	EHVSS02-01P	40.5	4.2	16.5	24	67.4	18	PT1/4	6.5	PT1/8	7.5	
	EHVFS02-02P	40.5	4.2	16.5	24	69.4	18	PT1/4	6.5	PT1/4	9.5	
	EHVFS03-02P	45	4.2	16.5	24	80.4	18	PT3/8	7	PT1/4	9.5	
	EHVFS03-03P	45	4.2	16.5	24	81.4	18	PT3/8	7	PT3/8	10.5	
	EHVFS04-03P	45	4.2	16.5	24	84.4	18	PT1/2	10	PT3/8	10.5	
	EHVFS04-04P	45	4.2	21.5	29	87.4	22	PT1/2	10	PT1/2	13.5	

EHVFS-G	Model	C	d	E	F	L	M	R	A	H	Main Dimension
	EHVFS06-02G	6	4.2	16.5	24	57.2	18	G1/4	6.5	40.5	
	EHVFS06-03G	6	4.2	16.5	24	57.7	18	G3/8	7	40.5	
	EHVFS08-01G	8	4.2	16.5	24	56.7	18	G1/8	5	40.5	
	EHVFS08-02G	8	4.2	16.5	24	58.2	18	G1/4	6.5	40.5	
	EHVFS08-03G	8	4.2	16.5	24	58.7	18	G3/8	7	40.5	
	EHVFS10-02G	10	4.2	21.5	29	68.2	22	G1/4	6.5	45	
	EHVFS10-03G	10	4.2	21.5	29	68.7	22	G3/8	7	45	
	EHVFS10-04G	10	4.2	21.5	29	72.7	22	G1/2	10	45	
	EHVFS12-02G	12	4.2	21.5	29	68.2	22	G1/4	6.5	45	
	EHVFS12-03G	12	4.2	21.5	29	68.7	22	G3/8	7	45	


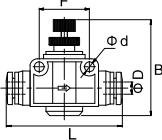
How to Order?


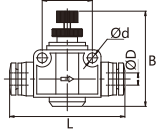
Series No.	Type No.	O.D. of Tube	—	With or without shut-off valve
ZSA: Grey body and Orange release sleeve ESA: Black body and Blue release sleeve	SA: Standard SA-C: Without Shut-off valve	04: 4mm 5/32 : 5/32" 06: 6mm 1/4 : 1/4" 08: 8mm 5/16 : 5/16" 10: 10mm 3/8 : 3/8" 12: 12mm 1/2 : 1/2"		Blank: With shut-off valve -C: No shut-off valve

Order Example:


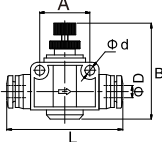
ZSA Series Pipeline Throttle Valve, for 4mm O.D. of Tube ,With shut-off valve
ERP code ZSA04


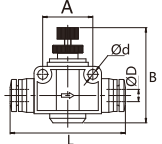
Metric Tubing

ZSA Pipeline Throttle Valve	Model	D	d	F	B		L	Main Dimension
					min	max		
	ZSA04	4	3.2	13.8	25.5	28.5	39.5	
	ZSA06	6	4.3	19.6	38.2	43	47.3	
	ZSA08	8	4.3	21.8	40	45.5	52	
	ZSA10	10	4.3	25.7	48	52.5	62.8	
	ZSA12	12	4.3	31.8	51.5	58.5	73	

ZSA-C Pipeline Throttle Valve (No Shut-off)	Model	D	d	F	B		L	Main Dimension
					min	max		
	ZSA06-C	6	4.3	19.6	37.3	43	47.3	
	ZSA08-C	8	4.3	21.8	39.2	45.5	52	
	ZSA10-C	10	4.3	25.7	47.5	52.5	62.8	
	ZSA12-C	12	4.3	31.8	50.5	58.5	73	

Inch Tubing

ZSA Pipeline Throttle Valve	Model	D(Inch)	d	A	B		L	Main Dimension
					min	max		
	ZSA1/8	1/8	3.2	13.8	25.5	28.5	39.1	
	ZSA5/32	5/32	3.2	13.8	25.5	28.5	39.3	
	ZSA1/4	1/4	4.3	19.6	38.2	43	46.5	
	ZSA5/16	5/16	4.3	21.6	40	45.5	51.8	
	ZSA3/8	3/8	4.3	25.7	48	52.5	62.4	
	ZSA1/2	1/2	4.3	31.8	51.5	58.5	72.5	

ZSA-C Pipeline Throttle Valve (No Shut-off)	Model	D(Inch)	d	A	B		L	Main Dimension
					min	max		
	ZSA1/4-C	1/4	4.3	20	38.8	43.6	46.8	
	ZSA5/16-C	5/16	4.3	22	40	45.5	52	
	ZSA3/8-C	3/8	4.3	26	48	52.2	62.3	
	ZSA1/2-C	1/2	4.3	32	51.5	58	73	

Hand Valve/Speed Controller




How to Order?


Series No.	O.D. of Tube	Port Size	Thread Type	Type No.
ZSC: Grey body and Orange release sleeve	04: 4mm 5/32; 5/32"	01: 1/8"	P: PT	Blank: Meter-out type
ESC: Black body and Blue release sleeve	06: 6mm 1/4; 1/4"	02: 1/4"	G: G	B: Meter-in type
	08: 8mm 5/16; 5/16"	03: 3/8"	T: NPT	C: remove shut-off valve
	10: 10mm 3/8; 3/8"	04: 1/2"		
	12: 12mm 1/2; 1/2"			


Order Example:

ZSC Series L-Shape Throttle Valve, for 4mm O.D. of Tube, Port Size 1/8", Thread Type PT, With shut-off valve, Meter-in type ERP code ZSC04-01P-B


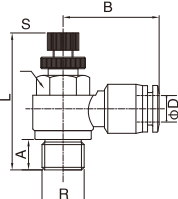
Speed Controller

ZSC(Meter-out type)	Tube(Metric)-Thread(PT)		Tube(Inch)-Thread(PT)		Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)	
 R	ZSC 04-M5	ZSC 08-03P	ZSC 1/4-M5	ZSC 04-01G	ZSC 08-04G	ZSC 5/32-M5	ZSC 5/16-01T	
	ZSC 04-01P	ZSC 08-04P	ZSC 1/4-01P	ZSC 04-02G	ZSC 10-01G	ZSC 5/32-01T	ZSC 5/16-02T	
	ZSC 04-02P	ZSC 10-01P	ZSC 1/4-02P	ZSC 06-01G	ZSC 10-02G	ZSC 3/16-M5	ZSC 5/16-03T	
	ZSC 06-M5	ZSC 10-02P	ZSC 5/16-01P	ZSC 06-02G	ZSC 10-03G	ZSC 3/16-01T	ZSC 5/16-04T	
	ZSC 06-01P	ZSC 10-03P	ZSC 5/16-02P	ZSC 06-03G	ZSC 10-04G	ZSC 3/16-02T	ZSC 3/8-02T	
	ZSC 06-02P	ZSC 10-04P	ZSC 5/16-03P	ZSC 06-04G	ZSC 12-02G	ZSC 3/16-03T	ZSC 3/8-03T	
	ZSC 06-03P	ZSC 12-02P	ZSC 3/8-02P	ZSC 08-01G	ZSC 12-03G	ZSC 1/4-M5	ZSC 3/8-04T	
	ZSC 06-04P	ZSC 12-03P	ZSC 3/8-03P	ZSC 08-02G	ZSC 12-04G	ZSC 1/4-01T	ZSC 1/2-03T	
	ZSC 08-01P	ZSC 12-04P		ZSC 08-03G		ZSC 1/4-02T	ZSC 1/2-04T	
	ZSC 08-02P					ZSC 1/4-03T		


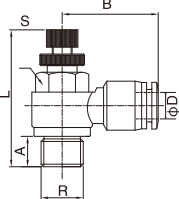
ZSC-B(Meter-in type)	Tube(Metric)-Thread(PT)		Tube(Inch)-Thread(PT)		Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)	
 R	ZSC 04-M5-B	ZSC 08-03P-B	ZSC 1/4-M5-B	ZSC 04-01G-B	ZSC 08-04G-B	ZSC 5/32-M5-B	ZSC 5/16-01T-B	
	ZSC 04-01P-B	ZSC 08-04P-B	ZSC 1/4-01P-B	ZSC 04-02G-B	ZSC 10-01G-B	ZSC 5/32-01T-B	ZSC 5/16-02T-B	
	ZSC 04-02P-B	ZSC 10-01P-B	ZSC 1/4-02P-B	ZSC 06-01G-B	ZSC 10-02G-B	ZSC 3/16-M5-B	ZSC 5/16-03T-B	
	ZSC 06-M5-B	ZSC 10-02P-B	ZSC 5/16-01P-B	ZSC 06-02G-B	ZSC 10-03G-B	ZSC 3/16-01T-B	ZSC 5/16-04T-B	
	ZSC 06-01P-B	ZSC 10-03P-B	ZSC 5/16-02P-B	ZSC 06-03G-B	ZSC 10-04G-B	ZSC 3/16-02T-B	ZSC 3/8-02T-B	
	ZSC 06-02P-B	ZSC 10-04P-B	ZSC 5/16-03P-B	ZSC 06-04G-B	ZSC 12-02G-B	ZSC 3/16-03T-B	ZSC 3/8-03T-B	
	ZSC 06-03P-B	ZSC 12-02P-B	ZSC 3/8-02P-B	ZSC 08-01G-B	ZSC 12-03G-B	ZSC 1/4-M5-B	ZSC 3/8-04T-B	
	ZSC 06-04P-B	ZSC 12-03P-B	ZSC 3/8-03P-B	ZSC 08-02G-B	ZSC 12-04G-B	ZSC 1/4-01T-B	ZSC 1/2-03T-B	
	ZSC 08-01P-B	ZSC 12-04P-B		ZSC 08-03G-B		ZSC 1/4-02T-B	ZSC 1/2-04T-B	
	ZSC 08-02P-B					ZSC 1/4-03T-B		


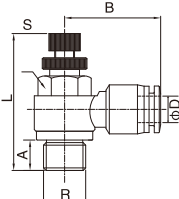
ZSC-C(remove shut-off valve)	Tube(Metric)-Thread(PT)		Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)	
 R	ZSC04-01P-C	ZSC10-01P-C	ZSC04-01G-C	ZSC10-01G-C	ZSC1/8-01T-C	ZSC5/16-03T-C
	ZSC04-02P-C	ZSC10-02P-C	ZSC04-02G-C	ZSC10-02G-C	ZSC1/8-02T-C	ZSC5/16-04T-C
	ZSC06-01P-C	ZSC10-03P-C	ZSC06-01G-C	ZSC10-03G-C	ZSC5/32-01T-C	ZSC3/8-01T-C
	ZSC06-02P-C	ZSC10-04P-C	ZSC06-02G-C	ZSC10-04G-C	ZSC5/32-02T-C	ZSC3/8-02T-C
	ZSC06-03P-C	ZSC12-01P-C	ZSC06-03G-C	ZSC12-01G-C	ZSC1/4-01T-C	ZSC3/8-03T-C
	ZSC06-04P-C	ZSC12-02P-C	ZSC06-04G-C	ZSC12-02G-C	ZSC1/4-02T-C	ZSC3/8-04T-C
	ZSC08-01P-C	ZSC12-03P-C	ZSC08-01G-C	ZSC12-03G-C	ZSC1/4-03T-C	ZSC1/2-02T-C
	ZSC08-02P-C	ZSC12-04P-C	ZSC08-02G-C	ZSC12-04G-C	ZSC1/4-04T-C	ZSC1/2-03T-C
	ZSC08-03P-C		ZSC08-03G-C		ZSC5/16-01T-C	ZSC1/2-04T-C
	ZSC08-04P-C		ZSC08-04G-C		ZSC5/16-02T-C	

Metric Tubing-PT Thread


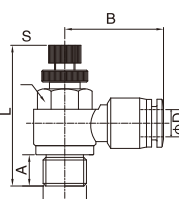
ZSC(Meter-out type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
 R	ZSC04-M5	4	M5	3.5	19.5	8	27.6	30	
	ZSC04-01P	4	PT1/8	7	22.2	12	35.8	40.8	
	ZSC04-02P	4	PT1/4	9.5	24	14	39.8	45.5	
	ZSC06-M5	6	M5	3.5	22	8	27.6	30	
	ZSC06-01P	6	PT1/8	7	23.1	12	35.8	40.8	
	ZSC06-02P	6	PT1/4	9.5	25	14	39.8	45.5	
	ZSC06-03P	6	PT3/8	12	26.7	19	48.5	54.2	
	ZSC06-04P	6	PT1/2	13.5	29.7	24	53.4	60.2	
	ZSC08-01P	8	PT1/8	7	25.5	12	35.8	40.8	
	ZSC08-02P	8	PT1/4	9.5	28.6	14	39.8	45.5	
	ZSC08-03P	8	PT3/8	12	29.4	19	48.5	54.2	
	ZSC08-04P	8	PT1/2	13.5	32.5	24	53.4	60.2	
	ZSC10-01P	10	PT1/8	7	30.2	12	35.8	40.8	
	ZSC10-02P	10	PT1/4	9.5	32.3	14	39.8	45.5	
	ZSC10-03P	10	PT3/8	12	32.9	19	48.5	54.2	
	ZSC10-04P	10	PT1/2	13.5	35.8	24	53.4	60.2	
	ZSC12-01P	12	PT1/8	7	33.2	12	35.8	40.8	
	ZSC12-02P	12	PT1/4	9.5	33.1	14	39.8	45.5	
	ZSC12-03P	12	PT3/8	12	35.4	19	48.5	54.2	
	ZSC12-04P	12	PT1/2	13.5	36.5	24	53.4	60.2	


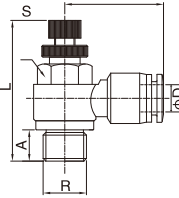
Metric Tubing-PT Thread

ZSC-B(Meter-in type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-M5-B	4	M5	3.5	19.5	8	27.6	30	
	ZSC04-01P-B	4	PT1/8	7	22.2	12	35.8	40.8	
	ZSC04-02P-B	4	PT1/4	9.5	24	14	39.8	45.5	
	ZSC06-M5-B	6	M5	3.5	22	8	27.6	30	
	ZSC06-01P-B	6	PT1/8	7	23.1	12	35.8	40.8	
	ZSC06-02P-B	6	PT1/4	9.5	25	14	39.8	45.5	
	ZSC06-03P-B	6	PT3/8	12	26.7	19	48.5	54.2	
	ZSC06-04P-B	6	PT1/2	13.5	29.7	24	53.4	60.2	
	ZSC08-01P-B	8	PT1/8	7	25.5	12	35.8	40.8	
	ZSC08-02P-B	8	PT1/4	9.5	28.6	14	39.8	45.5	
	ZSC08-03P-B	8	PT3/8	12	29.4	19	48.5	54.2	
	ZSC08-04P-B	8	PT1/2	13.5	32.5	24	53.4	60.2	
	ZSC10-01P-B	10	PT1/8	7	30.2	12	35.8	40.8	
	ZSC10-02P-B	10	PT1/4	9.5	32.3	14	39.8	45.5	
	ZSC10-03P-B	10	PT3/8	12	32.9	19	48.5	54.2	
	ZSC10-04P-B	10	PT1/2	13.5	35.8	24	53.4	60.2	
ZSC12-01P-B	12	PT1/8	7	33.2	12	35.8	40.8		
ZSC12-02P-B	12	PT1/4	9.5	33.1	14	39.8	45.5		
ZSC12-03P-B	12	PT3/8	12	35.4	19	48.5	54.2		
ZSC12-04P-B	12	PT1/2	13.5	36.5	24	53.4	60.2		

ZSC-C(remove shut-off valve)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-M5-C	4	M5	3.5	19.5	8	27.6	30	
	ZSC04-01P-C	4	PT1/8	7	22.2	12	35.8	40.8	
	ZSC04-02P-C	4	PT1/4	9.5	24	14	39.8	45.5	
	ZSC06-M5-C	6	M5	3.5	22	8	27.6	30	
	ZSC06-01P-C	6	PT1/8	7	23.1	12	35.8	40.8	
	ZSC06-02P-C	6	PT1/4	9.5	25	14	39.8	45.5	
	ZSC06-03P-C	6	PT3/8	12	26.7	19	48.5	54.2	
	ZSC06-04P-C	6	PT1/2	13.5	29.7	24	53.4	60.2	
	ZSC08-01P-C	8	PT1/8	7	25.5	12	35.8	40.8	
	ZSC08-02P-C	8	PT1/4	9.5	28.6	14	39.8	45.5	
	ZSC08-03P-C	8	PT3/8	12	29.4	19	48.5	54.2	
	ZSC08-04P-C	8	PT1/2	13.5	32.5	24	53.4	60.2	
	ZSC10-01P-C	10	PT1/8	7	30.2	12	35.8	40.8	
	ZSC10-02P-C	10	PT1/4	9.5	32.3	14	39.8	45.5	
	ZSC10-03P-C	10	PT3/8	12	32.9	19	48.5	54.2	
	ZSC10-04P-C	10	PT1/2	13.5	35.8	24	53.4	60.2	
ZSC12-01P-C	12	PT1/8	7	33.2	12	35.8	40.8		
ZSC12-02P-C	12	PT1/4	9.5	33.1	14	39.8	45.5		
ZSC12-03P-C	12	PT3/8	12	35.4	19	48.5	54.2		
ZSC12-04P-C	12	PT1/2	13.5	36.5	24	53.4	60.2		

Metric Tubing-G Thread


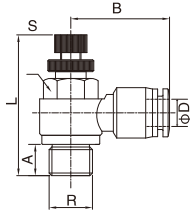
ZSC(Meter-out type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-01G	4	G1/8	5.8	22.2	12	35.8	40.8	
	ZSC04-02G	4	G1/4	7.7	24	14	39.8	45.5	
	ZSC06-01G	6	G1/8	5.8	23.1	12	35.8	40.8	
	ZSC06-02G	6	G1/4	7.7	25	14	39.8	45.5	
	ZSC06-03G	6	G3/8	9.5	26.7	19	48.5	54.2	
	ZSC06-04G	6	G1/2	12	29.7	24	53.4	60.2	
	ZSC08-01G	8	G1/8	5.8	25.5	12	35.8	40.8	
	ZSC08-02G	8	G1/4	7.7	28.6	14	39.8	45.5	
	ZSC08-03G	8	G3/8	9.5	29.4	19	48.5	54.2	
	ZSC08-04G	8	G1/2	12	32.5	24	53.4	60.2	
	ZSC10-01G	10	G1/8	5.8	30.2	12	35.8	40.8	
	ZSC10-02G	10	G1/4	7.7	32.3	14	39.8	45.5	
	ZSC10-03G	10	G3/8	9.5	32.9	19	48.5	54.2	
	ZSC10-04G	10	G1/2	12	35.8	24	53.4	60.2	
	ZSC12-01G	12	G1/8	5.8	33.2	12	35.8	40.8	
	ZSC12-02G	12	G1/4	7.7	33.1	14	39.8	45.5	
ZSC12-03G	12	G3/8	9.5	35.4	19	48.5	54.2		
ZSC12-04G	12	G1/2	12	36.5	24	53.4	60.2		

ZSC-B(Meter-in type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-01G-B	4	G1/8	5.8	22.2	12	35.8	40.8	
	ZSC04-02G-B	4	G1/4	7.7	24	14	39.8	45.5	
	ZSC06-01G-B	6	G1/8	5.8	23.1	12	35.8	40.8	
	ZSC06-02G-B	6	G1/4	7.7	25	14	39.8	45.5	
	ZSC06-03G-B	6	G3/8	9.5	26.7	19	48.5	54.2	
	ZSC06-04G-B	6	G1/2	12	29.7	24	53.4	60.2	
	ZSC08-01G-B	8	G1/8	5.8	25.5	12	35.8	40.8	
	ZSC08-02G-B	8	G1/4	7.7	28.6	14	39.8	45.5	
	ZSC08-03G-B	8	G3/8	9.5	29.4	19	48.5	54.2	
	ZSC08-04G-B	8	G1/2	12	32.5	24	53.4	60.2	
	ZSC10-01G-B	10	G1/8	5.8	30.2	12	35.8	40.8	
	ZSC10-02G-B	10	G1/4	7.7	32.3	14	39.8	45.5	
	ZSC10-03G-B	10	G3/8	9.5	32.9	19	48.5	54.2	
	ZSC10-04G-B	10	G1/2	12	35.8	24	53.4	60.2	
	ZSC12-01G-B	12	G1/8	5.8	33.2	12	35.8	40.8	
	ZSC12-02G-B	12	G1/4	7.7	33.1	14	39.8	45.5	
ZSC12-03G-B	12	G3/8	9.5	35.4	19	48.5	54.2		
ZSC12-04G-B	12	G1/2	12	36.5	24	53.4	60.2		


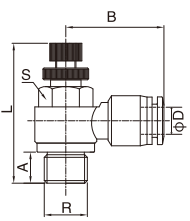
Hand Valve/Speed Controller


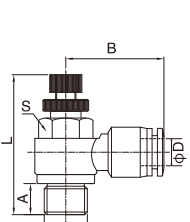



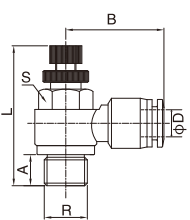
Metric Tubing-G Thread

ZSC-C(remove shut-off valve)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-01G-C	4	G1/8	5.8	22.2	12	35.8	40.8	
	ZSC04-02G-C	4	G1/4	7.7	24	14	39.8	45.5	
	ZSC06-01G-C	6	G1/8	5.8	23.1	12	35.8	40.8	
	ZSC06-02G-C	6	G1/4	7.7	25	14	39.8	45.5	
	ZSC06-03G-C	6	G3/8	9.5	26.7	19	48.5	54.2	
	ZSC06-04G-C	6	G1/2	12	29.7	24	53.4	60.2	
	ZSC08-01G-C	8	G1/8	5.8	25.5	12	35.8	40.8	
	ZSC08-02G-C	8	G1/4	7.7	28.6	14	39.8	45.5	
	ZSC08-03G-C	8	G3/8	9.5	29.4	19	48.5	54.2	
	ZSC08-04G-C	8	G1/2	12	32.5	24	53.4	60.2	
	ZSC10-01G-C	10	G1/8	5.8	30.2	12	35.8	40.8	
	ZSC10-02G-C	10	G1/4	7.7	32.3	14	39.8	45.5	
	ZSC10-03G-C	10	G3/8	9.5	32.9	19	48.5	54.2	
	ZSC10-04G-C	10	G1/2	12	35.8	24	53.4	60.2	
	ZSC12-01G-C	12	G1/8	5.8	33.2	12	35.8	40.8	
	ZSC12-02G-C	12	G1/4	7.7	33.1	14	39.8	45.5	
ZSC12-03G-C	12	G3/8	9.5	35.4	19	48.5	54.2		
ZSC12-04G-C	12	G1/2	12	36.5	24	53.4	60.2		

Inch Tubing-NPT Thread

ZSC(Meter-out type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC5/32-01T	5/32	NPT1/8	7	22	12	35.8	40.8	
	ZSC5/32-02T	5/32	NPT1/4	9.5	23.8	14	39.8	45.5	
	ZSC1/4-01T	1/4	NPT1/8	7	22.9	12	35.8	40.8	
	ZSC1/4-02T	1/4	NPT1/4	9.5	24.8	14	39.8	45.5	
	ZSC1/4-03T	1/4	NPT3/8	12	26.5	19	48.5	54.2	
	ZSC1/4-04T	1/4	NPT1/2	13.5	29.7	24	53.4	60.2	
	ZSC5/16-01T	5/16	NPT1/8	7	25.4	12	35.8	40.8	
	ZSC5/16-02T	5/16	NPT1/4	9.5	28.5	14	39.8	45.5	
	ZSC5/16-03T	5/16	NPT3/8	12	29.3	19	48.5	54.2	
	ZSC5/16-04T	5/16	NPT1/2	13.5	32.4	24	53.4	60.2	
	ZSC3/8-01T	3/8	NPT1/8	7	30.2	12	35.8	40.8	
	ZSC3/8-02T	3/8	NPT1/4	9.5	32	14	39.8	45.5	
	ZSC3/8-03T	3/8	NPT3/8	12	32.9	19	48.5	54.2	
	ZSC3/8-04T	3/8	NPT1/2	13.5	35.8	24	53.4	60.2	
	ZSC1/2-02T	1/2	NPT1/4	9.5	33.1	14	39.8	45.5	
	ZSC1/2-03T	1/2	NPT3/8	12	35.4	19	48.5	54.2	
ZSC1/2-04T	1/2	NPT1/2	13.5	36.5	24	53.4	60.2		

ZSC-B(Meter-in type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC5/32-01T-B	5/32	NPT1/8	7	22	12	35.8	40.8	
	ZSC5/32-02T-B	5/32	NPT1/4	9.5	23.8	14	39.8	45.5	
	ZSC1/4-01T-B	1/4	NPT1/8	7	22.9	12	35.8	40.8	
	ZSC1/4-02T-B	1/4	NPT1/4	9.5	24.8	14	39.8	45.5	
	ZSC1/4-03T-B	1/4	NPT3/8	12	26.5	19	48.5	54.2	
	ZSC1/4-04T-B	1/4	NPT1/2	13.5	29.7	24	53.4	60.2	
	ZSC5/16-01T-B	5/16	NPT1/8	7	25.4	12	35.8	40.8	
	ZSC5/16-02T-B	5/16	NPT1/4	9.5	28.5	14	39.8	45.5	
	ZSC5/16-03T-B	5/16	NPT3/8	12	29.3	19	48.5	54.2	
	ZSC5/16-04T-B	5/16	NPT1/2	13.5	32.4	24	53.4	60.2	
	ZSC3/8-01T-B	3/8	NPT1/8	7	30.2	12	35.8	40.8	
	ZSC3/8-02T-B	3/8	NPT1/4	9.5	32	14	39.8	45.5	
	ZSC3/8-03T-B	3/8	NPT3/8	12	32.9	19	48.5	54.2	
	ZSC3/8-04T-B	3/8	NPT1/2	13.5	35.8	24	53.4	60.2	
	ZSC1/2-02T-B	1/2	NPT1/4	9.5	33.1	14	39.8	45.5	
	ZSC1/2-03T-B	1/2	NPT3/8	12	35.4	19	48.5	54.2	
ZSC1/2-04T-B	1/2	NPT1/2	13.5	36.5	24	53.4	60.2		

ZSC-C(remove shut-off valve)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC5/32-01T-C	5/32	NPT1/8	7	22	12	35.8	40.8	
	ZSC5/32-02T-C	5/32	NPT1/4	9.5	23.8	14	39.8	45.5	
	ZSC1/4-01T-C	1/4	NPT1/8	7	22.9	12	35.8	40.8	
	ZSC1/4-02T-C	1/4	NPT1/4	9.5	24.8	14	39.8	45.5	
	ZSC1/4-03T-C	1/4	NPT3/8	12	26.5	19	48.5	54.2	
	ZSC1/4-04T-C	1/4	NPT1/2	13.5	29.7	24	53.4	60.2	
	ZSC5/16-01T-C	5/16	NPT1/8	7	25.4	12	35.8	40.8	
	ZSC5/16-02T-C	5/16	NPT1/4	9.5	28.5	14	39.8	45.5	
	ZSC5/16-03T-C	5/16	NPT3/8	12	29.3	19	48.5	54.2	
	ZSC5/16-04T-C	5/16	NPT1/2	13.5	32.4	24	53.4	60.2	
	ZSC3/8-01T-C	3/8	NPT1/8	7	30.2	12	35.8	40.8	
	ZSC3/8-02T-C	3/8	NPT1/4	9.5	32	14	39.8	45.5	
	ZSC3/8-03T-C	3/8	NPT3/8	12	32.9	19	48.5	54.2	
	ZSC3/8-04T-C	3/8	NPT1/2	13.5	35.8	24	53.4	60.2	
	ZSC1/2-02T-C	1/2	NPT1/4	9.5	33.1	14	39.8	45.5	
	ZSC1/2-03T-C	1/2	NPT3/8	12	35.4	19	48.5	54.2	
ZSC1/2-04T-C	1/2	NPT1/2	13.5	36.5	24	53.4	60.2		