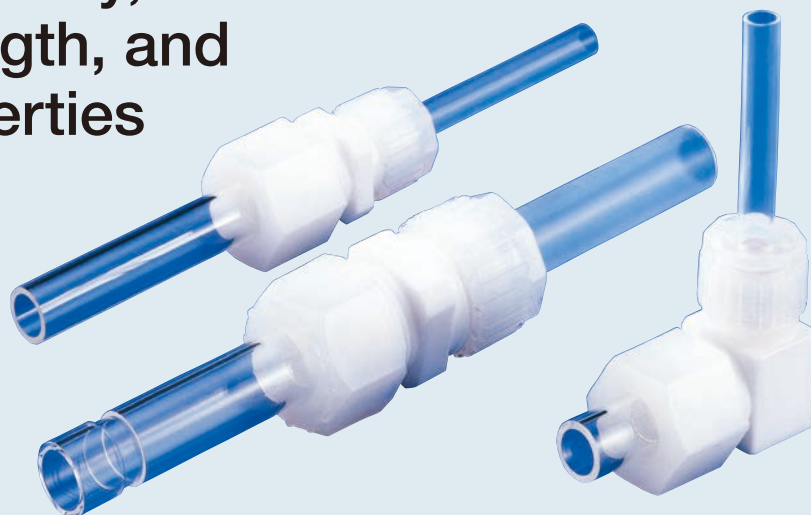


QUARTZ TYPE PILLAR FITTING™

PFA tube/quartz tube connector with excellent sealability, tube retention strength, and thermal creep properties



■ Features

■ Excellent safety

This product provides excellent retention strength by using the P-series Super 300 Type Pillar Fitting™ to hold the PFA tube and a stopper to hold the quartz tube.

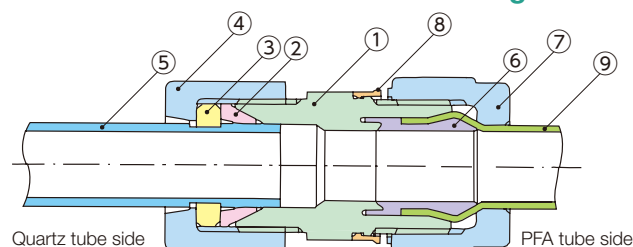
■ Excellent chemical resistance

All wetted parts employ PTFE or PFA to provide excellent chemical resistance.

■ Clean and high quality

Integrated production covering materials, molding, processing, assembly, and cleaning is implemented in our own factory cleanrooms compliant with ISO 9001 and ISO 14001.

■ Cross-sectional structural drawing

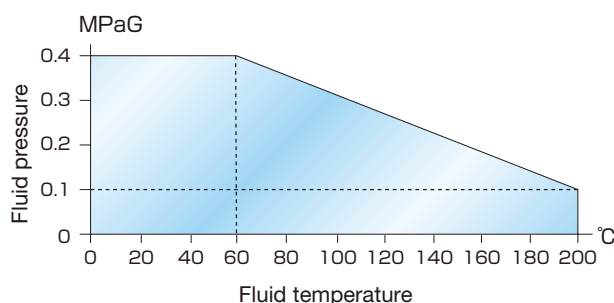


No.	Part name	Material	No.	Part name	Material
1	Body	PTFE	6	Sleeve	PFA
2	Ferrule	PTFE	7	Union nut	PFA
3	Stopper	PFA	8	Gauge ring	ETFE
4	Union nut	PFA	9	PFA tube	PFA
5	Quartz tube	Quartz			

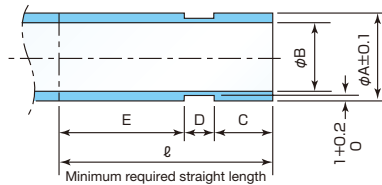
Specifications

- ▶ Maximum operating temperature: 200°C
- ▶ Maximum operating pressure: 0.4 MPaG
- ▶ Applicable fluid: Liquid
- ▶ Applicable tube sizes: $\phi 6$ to $\phi 25$, 1/4" to 1"

■ Operating range



Applicable quartz tubes

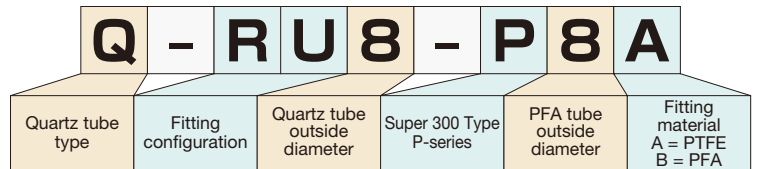


Unit: mm

Quartz tube size	±0.1 φA	φB	C	D	E	ℓ
φ8×φ4	8	4	6	4	17	27
φ10×φ6	10	6	9	4.5	19.5	33
φ12×φ8	12	8	11	5	23	39
φ16×φ12	16	12	13	6	26	45
φ19×φ15	19	15	13.5	6.5	28	48
φ20×φ16	20	16	13.5	6.5	28	48
φ25×φ20	25	20	23	8	35	66

Note: Quartz tubes require grooves of the sizes shown above. Quartz tubes are outside the scope of our supply.

How to order



Unit: mm

Millimeter size				Inch size			
O.D.×I.D.	Thickness	Tolerance		O.D.×I.D.	Thickness	Tolerance	
		O.D.	Thickness			O.D.	Thickness
6×4	1.0	±0.10		6.35×3.95	W2	1.2	±0.10
8×6		±0.06		9.53×6.33	W3	1.6	±0.12
10×8		±0.12		12.7×9.5	W4		
12×10	±0.10		19×15.8	W6	±0.20		
19×15.8	1.6	±0.10		25.4×22.2	W8	±0.20	
25×22	1.5	±0.20					

Installation method For installation, be sure to read the instruction manual.

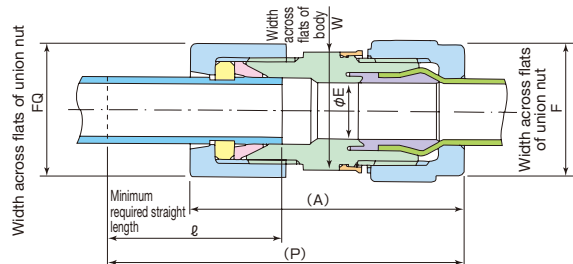
How to install on the quartz tube side

- Slide the nut onto the quartz tube.
- Mount the stopper in the groove on the quartz tube.
- Make sure that the ferrule is oriented correctly and then slide it onto the quartz tube.
Tighten the nut firmly by hand and then **fasten it half a turn** with an open-end spanner or similar tool. (Take care not to fasten the nut excessively.)

How to install on the PFA tube side (Super 300 Type P-series)

- Slide the union nut onto the tube.
- Press fit the sleeve into the tube.
- Fasten the union nut until it comes into contact with the protrusion on the gauge ring.

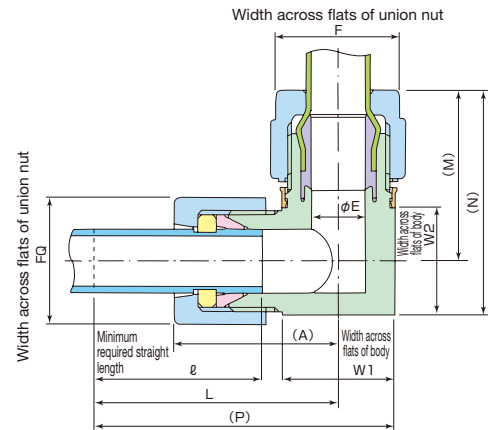
Q-RU



Unit: mm

Product No. Q-RU	Quartz tube		Tube		(P)	ℓ	FQ	F	(A)	W	φE
	O.D.	I.D.	O.D.	I.D.							
8-P8B	8	4	8	6	64	27	17	19	50.7	18	6
10-P10A	10	6	10	8	71.5	33	22	23	56.7	21	8
10-PW3A	10	6	9.53	6.33	71.5	33	22	23	56.7	21	8
12-P6A	12	8	6	4	71.8	39	27	16	53.9	23	4
12-PW2A	12	8	6.35	3.95	71.8	39	27	16	53.9	23	4
12-P12A	12	8	12	10	81.8	39	27	28	63.9	25	10
12-PW4A	12	8	12.7	9.5	81.8	39	27	28	63.9	25	10
16-P8A	16	12	8	6	82	45	32	19	61	28	6
16-P12A	16	12	12	10	89	45	32	28	68	28	10
16-PW4A	16	12	12.7	9.5	89	45	32	28	68	28	10
19-P19A	19	15	19	15.8	100	48	38	38	78	33.5	16
20-P19B	20	16	19	15.8	100	48	38	38	78	34	16
20-PW6B	20	16	19	15.8	100	48	38	38	78	34	16
25-P25B	25	20	25	22	128.3	66	50	47.5	100.3	44	22
25-PW8B	25	20	25.4	22.2	128.3	66	50	47.5	100.3	44	22

Q-RUE



Unit: mm

Product No. Q-RUE	Quartz tube		Tube		(P)	ℓ	FQ	F	L	(M)	(N)	(A)	W1	W2	φE
	O.D.	I.D.	O.D.	I.D.											
8-P6A	8	4	6	4	50	27	17	16	42.5	26.5	34	29.2	15	15	4
8-PW2A	8	4	6.35	3.95	50	27	17	16	42.5	26.5	34	29.2	15	15	4
8-P8A	8	4	8	6	53	27	17	19	44	29.5	37	30.7	18	15	6
10-P10A	10	6	10	8	60.5	33	22	23	50	34.5	44	35.2	21	19	8
10-PW3A	10	6	9.53	6.33	60.5	33	22	23	50	34.5	44	35.2	21	19	8
12-P12A	12	8	12	10	70.8	39	27	28	58.3	40.5	52	40.4	25	23	10
12-PW4A	12	8	12.7	9.5	70.8	39	27	28	58.3	40.5	52	40.4	25	23	10
16-P12A	16	12	12	10	78	45	32	28	65.5	43	57	44.5	25	28	10
16-PW4A	16	12	12.7	9.5	78	45	32	28	65.5	43	57	44.5	25	28	10
19-P19A	19	15	19	15.8	87.6	48	38	38	70.8	52	68	48.8	33.5	32	16
20-P19B	20	16	19	15.8	85.6	48	38	38	72.6	57.1	68.1	50.6	—	—	16
20-PW6B	20	16	19	15.8	85.6	48	38	38	72.6	57.1	68.1	50.6	—	—	16
25-P25B	25	20	25	22	110.3	66	50	47.5	93.8	69.5	86	65.8	—	—	22
25-PW8B	25	20	25.4	22.2	110.3	66	50	47.5	93.8	69.5	86	65.8	—	—	22

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- When using this product, please use correctly and pay sufficient attention to safety.

* Please understand that this catalog may change without prior notice.
* The values shown on this catalog are reference values, not guaranteed values.