

TA

For clean, heat-resistant, cold-resistant, chemical-resistant use

Features

- PFA (copolymer of tetrafluoroethylene – perfluoroalkyl vinyl ether) resin tube with high chemical resistance
- Produced, end-sealed, heat-sealed for shipping in a cleanroom
- Easy cleaning with little remaining fluid inside
- Little secular change and high weather resistance
- Usable in ozone environment
- Usable for clean fittings of Chemifit CSA series
- Compliant with the 20th notification of Ministry of Health and Welfare, Japan (1982).

Product number table

● Millimeter size type (Group 4)

Type	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)	
					Translucent	CWH
TA-4-3×2	3×2	1.5	20	8.5		○
TA-4-4×2	4×2	2.5	25	20		○
TA-4-4×3	4×3	0.9	30	12		○
TA-4-6×4	6×4	1.6	30	34		○
TA-4-8×6	8×6	1.1	50	47		○
TA-4-10×8	10×8	0.8	70	61		○
TA-4-12×9	12×9	1.1	70	106		○
TA-4-12×10	12×10	0.7	100	74		○
* TA-4-14×12	14×12	0.6	150	89		○
* TA-4-17×14	17×14	0.7	300	159		○
TA-4-19×16	19×16	0.6	400	179		○
* TA-4-24×20	24×20		500	300		○
* TA-4-25×22	25×22	0.5	600	240		○

*Made to Order

● Inch size type (Group 1)

Type	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)	
					Translucent	CWH
TA-1-1/4	6.35×4.57	1.1	30	33		○
TA-1-3/8	9.53×6.99	1.1	50	71		○
TA-1-1/2	12.70×9.56	1.1	60	118		○

● Inch size type (Group 5) Different inner diameter from Group 1

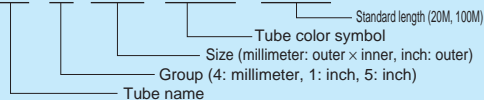
Type	Outer diameter × Inner diameter (mm)	Outer diameter	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)	
						Translucent	CWH
TA-5-3.18×2	3.18×2	1/8	1.5	7	10		○
TA-5-6.35×3.96	6.35×3.96	1/4	1.7	45	42		○
TA-5-9.53×6.35	9.53×6.35	3/8	1.5	60	86		○
TA-5-12.7×9.53	12.70×9.53	1/2	1.1	90	120		○
* TA-5-19.1×15.9	19.10×15.9	3/4	0.6	400	186		○
* TA-5-25.4×22.2	25.40×22.2	1	0.5	600	240		○

☞ Applicable fittings for Group 5 are Chemifit C1 series and Chemifit C1S series with the same outer diameter.

*Made to Order

Product number example

TA - 4 - 6×4 - CWH - 100M



Standard length

20M, 100M

☞ TA-4- 14×12, 17×14, 19×16, 24×20, 25×22 and
TA-5- 19.1×15.9, 25.4×22.2:
20M only



Operating fluid, working temperature range

Operating fluid	Working temperature range
Air (clean air)	-65°C~+260°C
Water (pure water)	0°C~+100°C

☞ Contact us for various chemical liquids.

☞ See "Combination List of Tube and Fitting" on page 8.

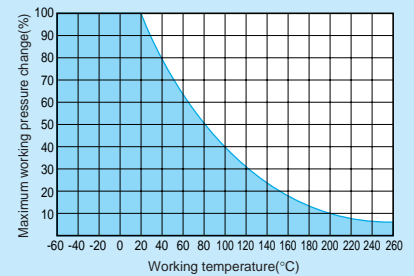
Negative pressure performance

-101.294kPa

Relation between the working temperature and the maximum working pressure

The maximum working pressure varies with the working temperature (environmental temperature). For use at an abnormal temperature, always check the maximum working pressure change in the graph below and keep the pressure within the indicated range.

⚠ Caution Using tubes at a pressure outside the range may cause accidents or damage, for which Nitta Moore is not liable.

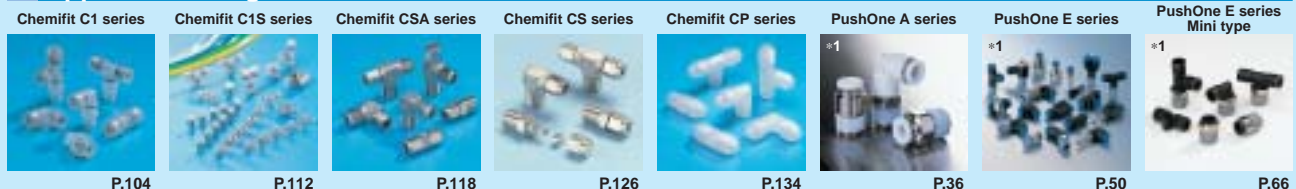


Handling instructions

⚠ Caution When water is used as the operating fluid, keep the surge pressure below the maximum working pressure. Also, do not allow the water to freeze.

☞ See page 10 for common instructions for tube products.

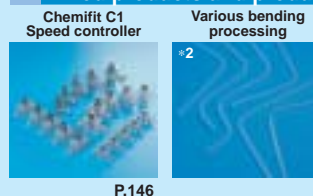
Applicable fittings



Applicable fittings



Allied products and product introduction



Reference

Chemical resistance specification tableP.209
Effective cross-sectional areaP.178
Negative-pressure performance listP.179

Products with high-graded PFA material are available on request. Contact us for details.

(*1) Combinatory use of TA tube and Chemifit series mixes general and clean type performances. When using them in a clean environment, pay attention to the clean level that could be lowered.
(*2) Contact us for specifications.