



New urethane tube

Due to the adoption of a new manufacturing process, larger inner diameter and increased strength are realized simultaneously with the same outer diameter. This piping tube is also used for larger flow rates. Also economical.

Common specifications

Descriptions	Description
Working fluid	Air
Circumference Temperature °C	0 to 60
Burst pressure MPa	4 (at 20°C)
Max. Working pressure MPa	1.0 (at 20°C)
Working vacuum pressure kPa	-100

Specifications

Descriptions	NU-04	NU-06	NU-08	NU-10	NU-12
O.D. x I.D. mm x mm	4 x 2.5	6 x 4.5	8 x 6	10 x 7.5	12 x 9
Burst pressure MPa	4 to 2.4				
Ambient temperature °C	0 to 60 (no freezing)				
Durometer hardness (JIS K7215)	HDD 64				
Min. bending radius (JIS B 8381) mm	8	16	24	30	36
Min. installation radius mm	12	26	36	42	52
Outer diameter accuracy mm	0			+0.1 -0.15	
Weight g/m	10	15	28	42	62
Tube color	Black/white				
Standard length per roll m	20/100 (only black)				

Note: Refer to Intro Page 59 for relation of the tube length to the effective cross-sectional area.

How to order

NU - 04 - 20 - W

A: Tube size (O.D.) B: Length/roll C: Tube color

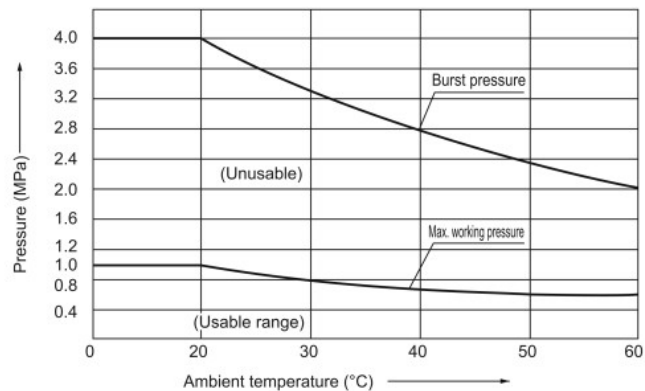
A	Tube size (O.D.)	B	Length/roll	C	Tube color
04	ø4	20	20m	Blank	Black (standard)
06	ø6	100	100m	w	White (standard)
08	ø8	Note: *W*Length per roll 100m is not available for white.			
10	ø10				
12	ø12				

Clean-room specifications (Catalog No. CB-033SA)

● Anti-dust generation structure for use in cleanrooms

NU **P80**

Relation of ambient temperature and pressure (use/burst)



Soft urethane tube

Aoi Co., Ltd.

How to order

U-92 - 06 - 20 - N

A: Tube O.D. size B: Length/roll C: Tube color

A	Tube O.D. size	B	Length/roll	C	Tube color
04	ø4	20	20m	Blank	Black
06	ø6	100	100m	N	Transparent
08	ø8			PW	Pure white
10	ø10			R	Red
12	ø12			BU	Blue
				Y	Yellow
				G	Green
				O	Orange

Clean-room specifications

(Catalog No. CB-033SA)

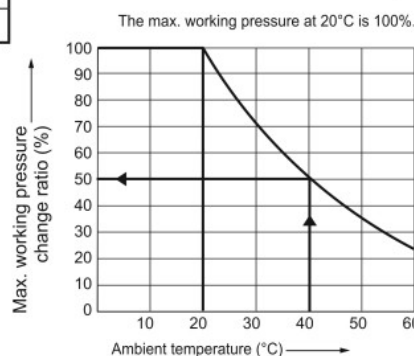
U-92 **P80**

Specifications

This table indicates the value at 20°C.

Descriptions	U-9204	U-9206	U-9208	U-9210	U-9212
Working fluid	Compressed air				
O.D. x I.D. mm x mm	4 x 2	6 x 3.7	8 x 5	10 x 6.5	12 x 8
Burst pressure MPa	4.1	2.9	2.8	2.6	2.6
Max. working pressure MPa	1.3	0.9	0.9	0.8	0.8
Durometer hardness JIS K 7215	HDA 92				
Min. bending radius mm	4	10	11	13	16.5
Min. mounting radius mm	8	17	25	30	36
Tube color	Black/transparent/red/blue/yellow/green/orange/pure white				
Standard length per roll m	20/100				

Relation of ambient temperature and max. working pressure



When the temperature rises, the constant pressure gradually drops. Special consideration must be given for the ambient temperature.

(Example) In U-9208, the max. working pressure at an ambient temperature of 40°C is 50% of that at 20°C. it will be .

$$0.9 \times \frac{50}{100} \approx 0.45(\text{MPa})$$

- F.R.L.
- F.R.
- F (Filtr)
- R (Reg)
- L (Lub)
- Drain Separ
- Mech Press SW
- Res press exh valve
- SlowStart
- Anti-bac/Bac-remove Filtr
- Film Resist FR
- Oil-ProHR
- Med Press FR
- No Cu/ PTFE FRL
- Outdrs FRL
- Adapter Joiner Press Gauge
- CompFRL
- LgFRL
- PrecsR
- VacF/R
- Clean FR
- ElecPneuR
- AirBoost
- Speed Ctrl
- Silncr
- CheckV/ other
- Fit/Tube
- Nozzle
- Air Unit
- PrecsCompn
- Electro Press SW
- ContactSW
- AirSens
- PresSW Cool
- Air Flo Sens/Ctrl
- WaterRISens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- Gas generator
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending