PANEW

Flexible Hose used for Sprinkler System

P-9000



UL LISTED

消防署
內授消字第〇九一〇〇八八八六〇號

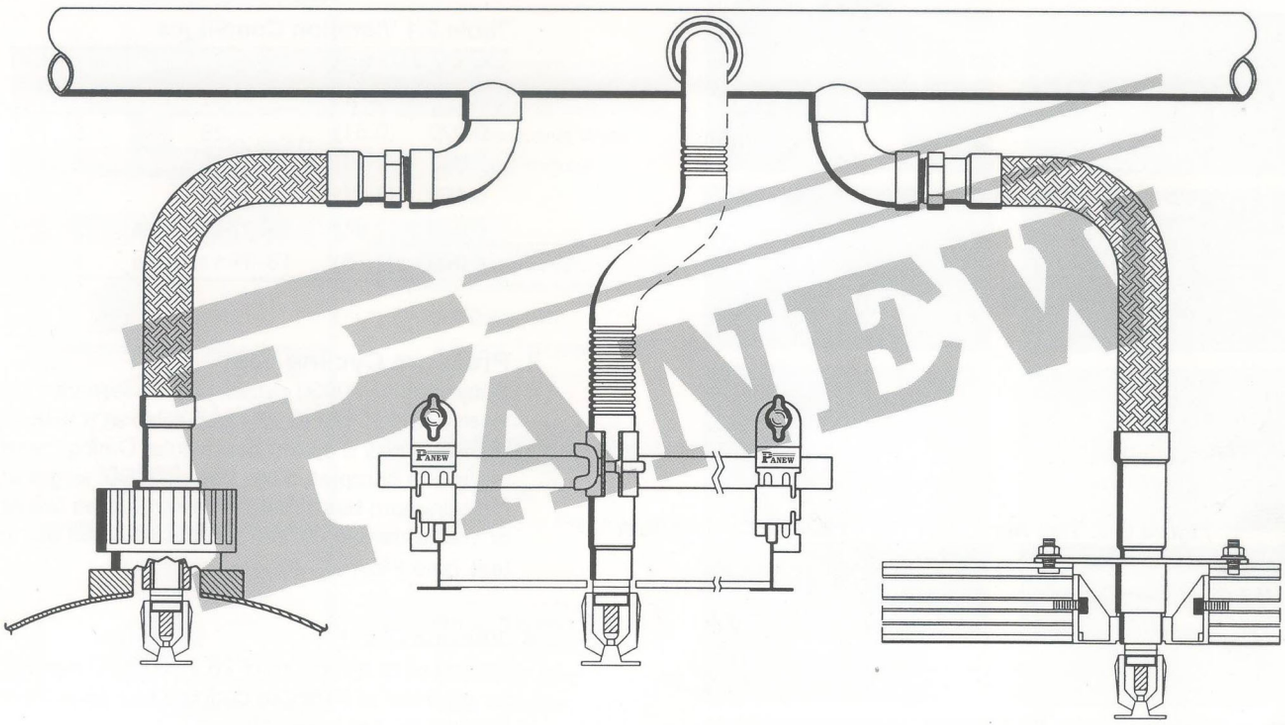
FM APPROVED
Commercial
Clean room
Exhaust duct

ISO 9001
Designed, manufactured and supplied in accordance with ISO 9001

STAINLESS FLEXIBLE HOSE

USED FOR COMMERCIAL, INDUSTRIAL & CLEAN ROOM SPRINKLER SYSTEM

During recent year, accompanying the increasing demand for ultra-tall and giant buildings, there arises a difficulty with the installation of fire prevention sprinkler system, which is time consuming and a costly operation. As present business system focus on cost efficiency, it becomes most desirable for a know how on reducing and maintaining man power to the minimum. Thus so, to simplify the installation of sprinkler system, and its subsequent relocation, inspection and maintenance. PANEW has spent several years, focusing its R & D resource in designing a **Flexible Stainless Steel Hose** specialized to adapt to sprinkler system for commercial building, industrial ventilation network and clean room facilities. For one third of the time required for installing conventional fire prevention system of hard pipes, one can now complete the sprinkler system with ease, using PANEW's Stainless Steel Flexible Hose; an all purpose design for safety, convenient, esthetic and economical means.



■ SIMPLE INSTALLATION, EASY RELOCATION.

PANEW Flexible Hose is pre-assembled and 100% tested in-factory. On site welding is not required. One can complete the sprinkler system, for one third of the time required for conventional system, thus saving time and labor cost as well. Besides safety, esthetics and economical, it offers much flexibility for sprinkler relocation during refurbishment and spacing re-arrangement.

■ FM / UL-APPROVED, A WARRANTY OF CONFIDENCE.

Similar to fire prevention system in commercial building, exhaust duct and clean room, PANEW Flexible Hose is FM/UL-approved and certified. Under stringent test, its quality and safety standard maintained stable and able to meet the standards required by insurance companies. It is a quality fire prevention product one can rely on.

■ HIGH PRESSURE RESISTANCE AND GOOD FLEXIBILITY.

PANEW Flexible Hose is high flexibility allow the independent motion between ceiling grids and main pipe system during seismic activity, avoiding leakage due to stress and misalignment. Being a stainless steel material, no painting and epoxy is required.

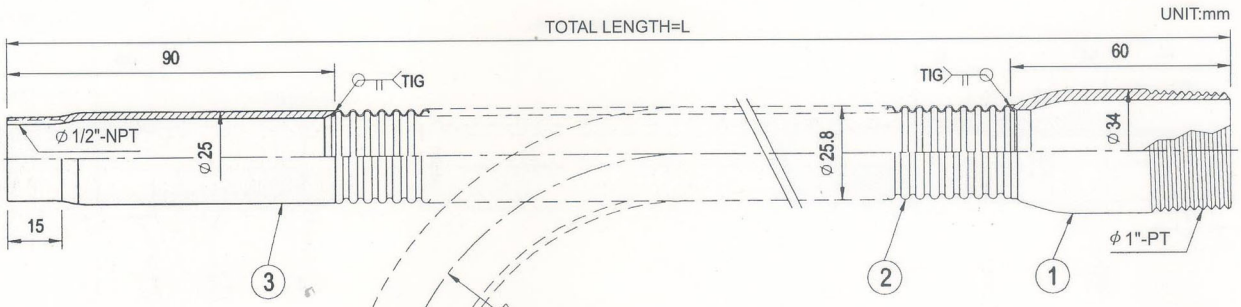
■ SIMPLE MAINTENANCE, NO SHUT DOWN / DOWN TIME REQUIRED

PANEW Flexible Hose can be inspected and replaced in a few minutes. Working area can be kept clean and running during inspection, replacement and routine maintenance, thus reducing the overall cost on system repair.

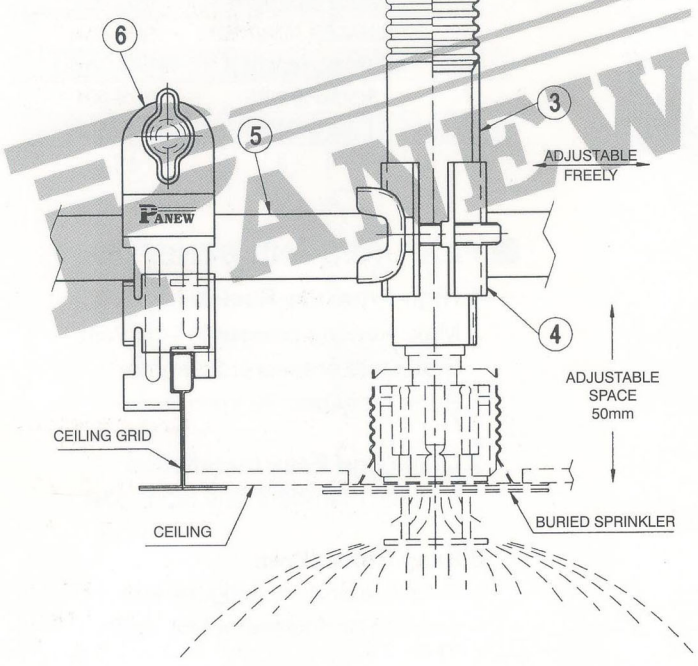
Copyright ©2003 Panew Company Limited. All rights reserved.

STAINLESS FLEXIBLE HOSE

P-9500 USED FOR COMMERCIAL SPRINKLER SYSTEM



LISTED
No.: 02NK52405



CONSTRUCTION:

ITEM	FITTING	MATERIAL
1.	NIPPLE	SUS-304
2.	BELLOWS	SUS-316L
3.	SPRINKLER ADAPTER	SUS-304
4.	ADAPTER HOLDER	SPCC(GALV.)
5.	SQUARE PIPE	SUS-304
6.	PIPE CLAMP	SPCC(GALV.)

FRICTION LOSS DATA:

#Total Length L(mm)	Hazen-William C=120 Equivalent Length of Pipe (Φ 1"-sch40s)/m	
	Bend 1-90°	Bend 3-90°
600	6.1	7.2*
900	6.7	13.2
1200	7.2	12.3
1500	7.8	15.6
1800	8.4	19.2
2100	8.9	19.5
2400	9.4	22.5

The required length beyond the table showed above, we can also deliver any length according to your request.
* Bend 2-90°

FEATURES AND BENEFITS:

1.High Pressure Resistance:
Max. working pressure: 14 kg/cm^2
Static test pressure: 21 kg/cm^2
Burst pressure: 52 kg/cm^2

2.Light Weight Construction :
a.Bellows weight: 440 g/900mm
b.Adapter holder weight: 65 g
c.Square pipe weight: 225 g/700mm
d.Pipe clamp weight: 80 g/pc
Total weight: 890 g/set

3.Corrosion Resistance:
The bellows manufactured with SUS-316L have a good corrosion resistance against pitting caused to the chloride, its corrosion resistance is far better than carbon steel and / or SUS-304 material.

4.Quick and Easy Installation:
Reduce man-hour and labor cost.

5.Easy Relocation:
Relocate and reconfigure without draining or disassembling system.

6.Adjustable Height and Alignment:
The patented construction make sprinkler adjustable in 3-dimension easily , The safeness and esthetic value can be preserved meanwhile.

7.Good Flexibility:
a. Allow the independent sway between ceiling grids and main hard pipe.
b. Eliminate the stress and leak due to the misalignment.

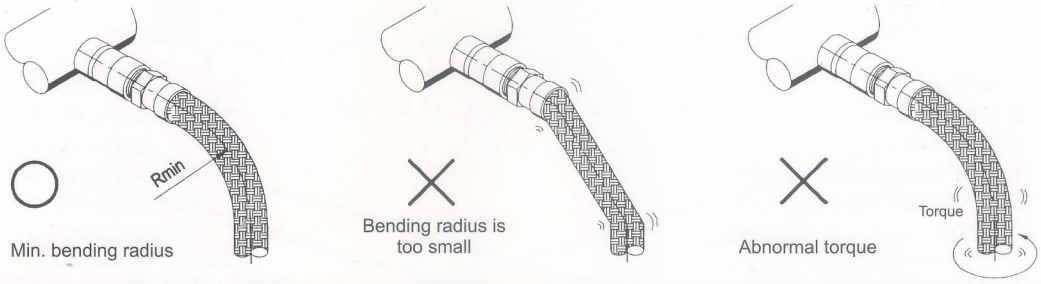
8.100% leak test before delivery:
All products are pre-assembled, tested for pressure leak and no welding required on site.

Copyright ©2003 Panew Company Limited. All rights reserved.

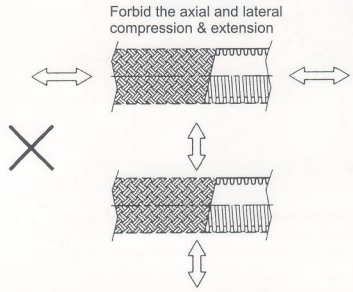
CORRECT INSTALLATION OF THE FLEXIBLE HOSE

NOTICE WHILE INSTALL THE FLEXIBLE HOSE

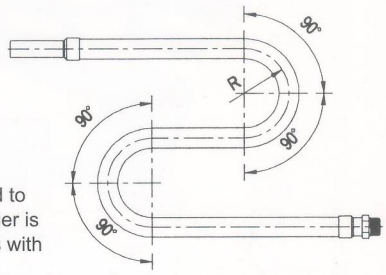
A



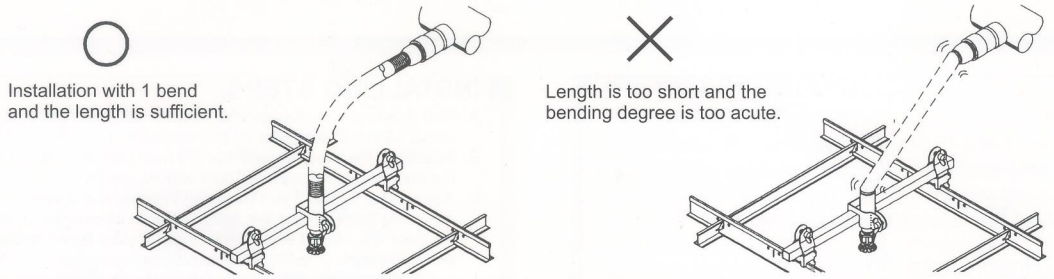
B



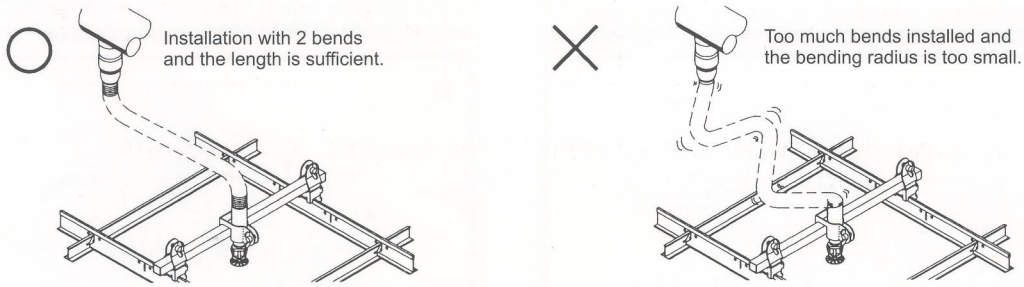
1. Max. working pressure: 14kg/cm^2
2. Min. bending radius:
   P-91 / 92 / 97 / 9900 : 150 mm
   P-9500 : 100 mm
3. Do not exceed four 90 degree bends.
4. Max. bending degree: 180°
5. In order to prevent the sway caused to the pressure, the intermediate hanger is required when the number of bends with 90° is over 2.



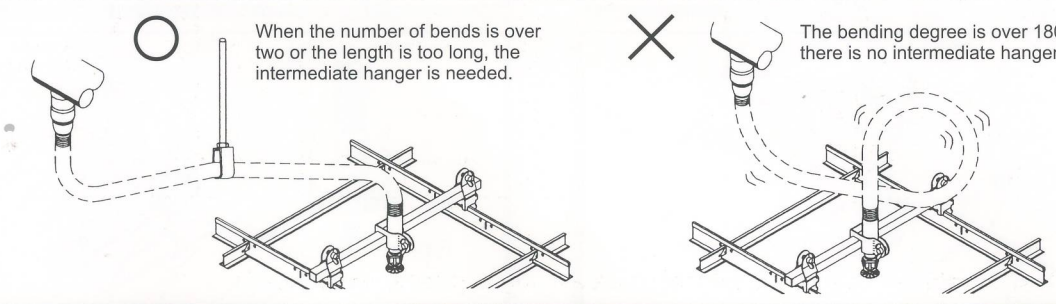
C



D



E



Copyright ©2003 Panew Company Limited. All rights reserved.