



Sprinkler hose irrigation system

Sprinkler hose irrigation system is easy to be installed, easy to be maintained, cost-efficient, easy block elimination, short irrigation time, low irrigation pressure. It is useful for any crop except water planting. There are different ways to sprinkle for different farming such as greenhouse, net house, open field etc. Useful life of sprinkler hose is around 2 to 5 years.

Our company can design and produce different types of perforation on the hose for different planting.

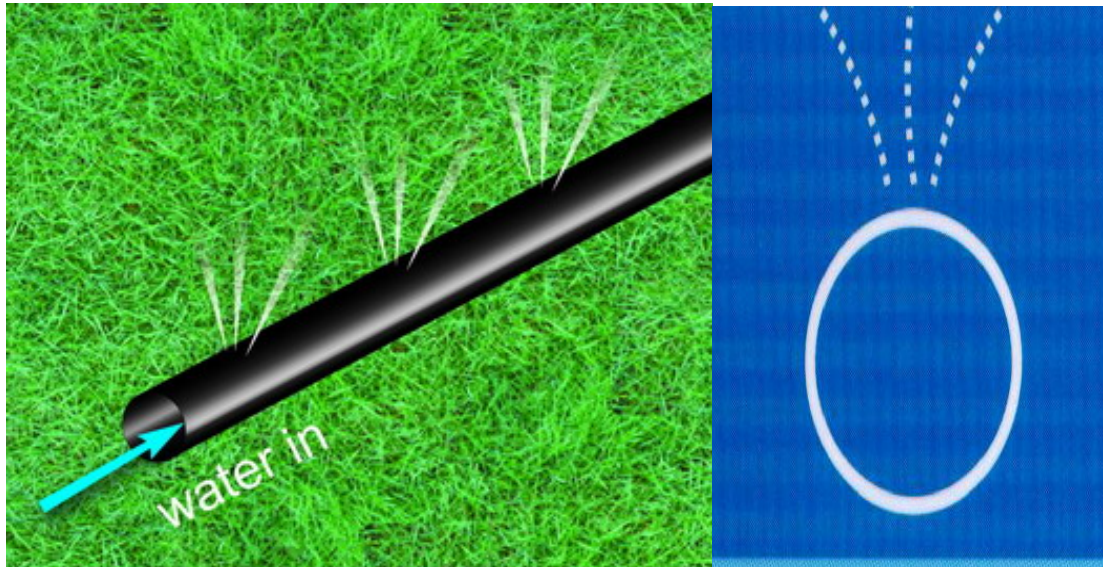
There are different types of hose and different diameter of main sprinkling hose for different planting. The sprinkler hoses are laid on ground except AJ-105 hanging sprinkler hose.

Ground sprinkler hose



Here are some types of our manufactured sprinkler hose:

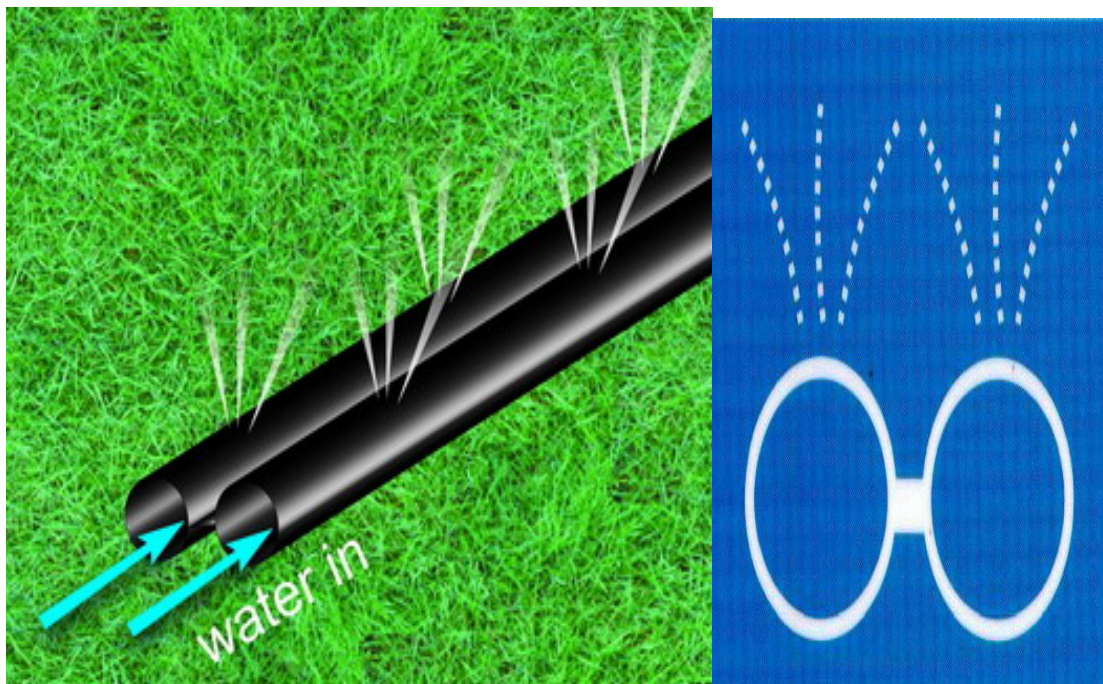
1. AJ-101 single sprinkler hose: a tape like hose with thin thickness to be punched with regular perforations. It is simplest and cheapest type.



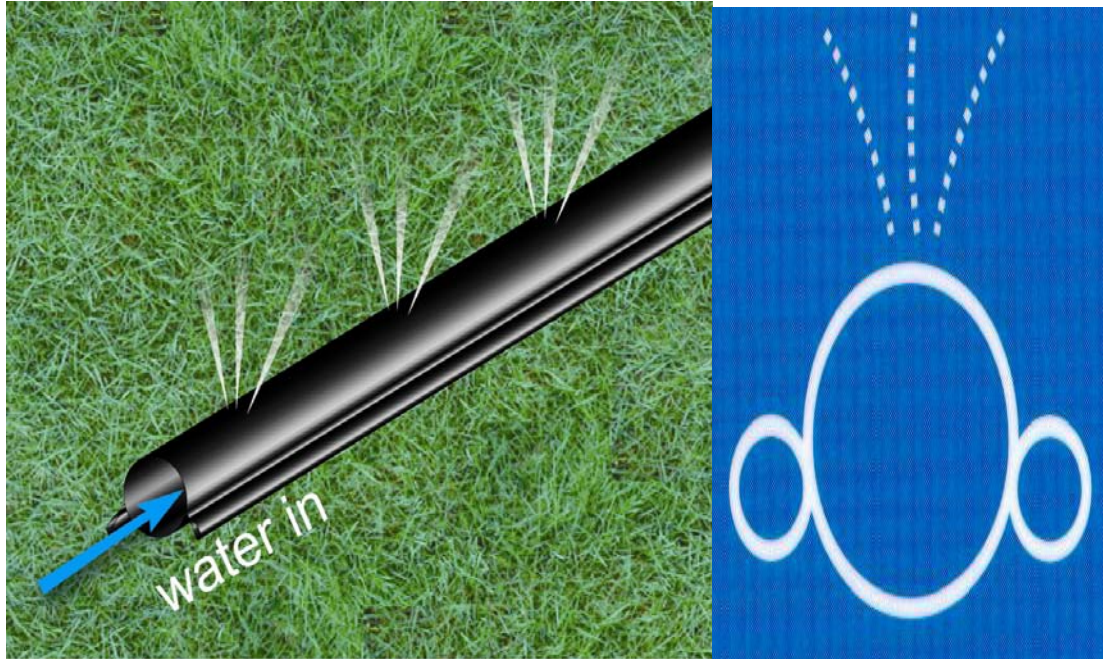
Specification list of ground sprinkler hoses

| Named diameter | Tape width | Length | Working pressure | Watering rang |
|----------------|------------|--------|-----------------------|---------------|
| 1 1/4" | 68-70mm | 100m | 0.5kg/cm ² | 4-6m |
| 1" | 58-60mm | 100m | 0.5kg/cm ² | 4-6m |
| 3/4" | 48-50mm | 100m | 0.5kg/cm ² | 4-6m |

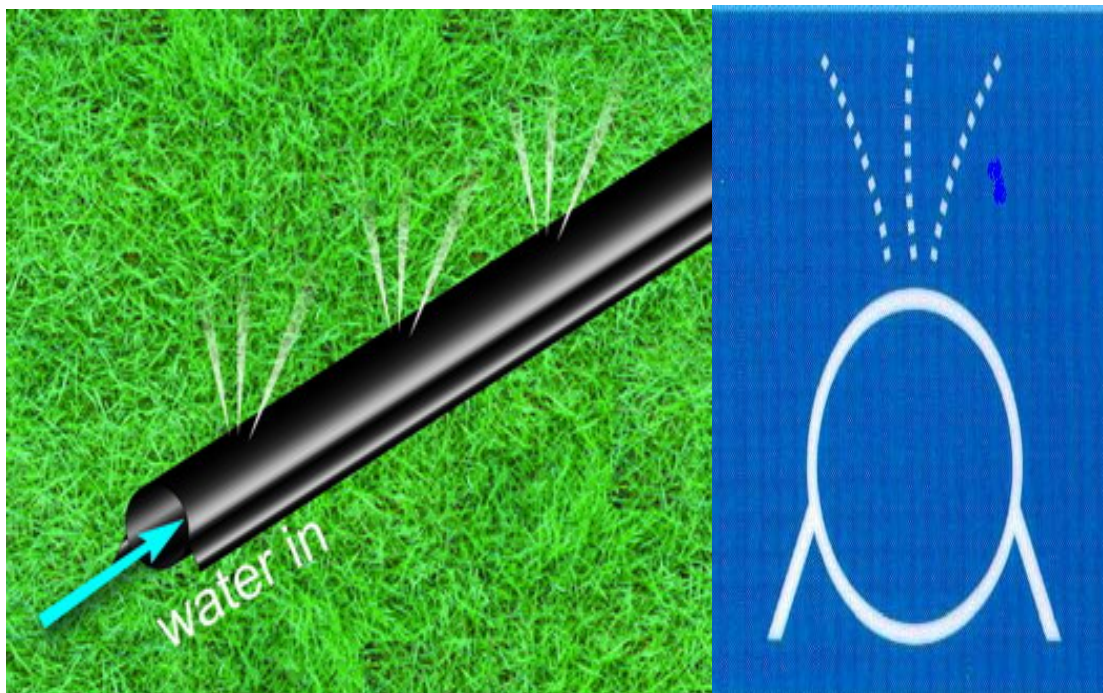
2. AJ-102 twin sprinkler hose: two hoses of width 50mm run together. It is steady when it is sprinkling then keep sprinkling direction correct. There is only 1 diameter for this type.



3. AJ-103 triple sprinkler hose: there are two small tubes with no perforation run at two sides of main sprinkling hose. The small tubes can protect main hose not to be destroyed from scrape or animal bite at farmland. Also it is steady when it is sprinkling then keep sprinkling direction correct.

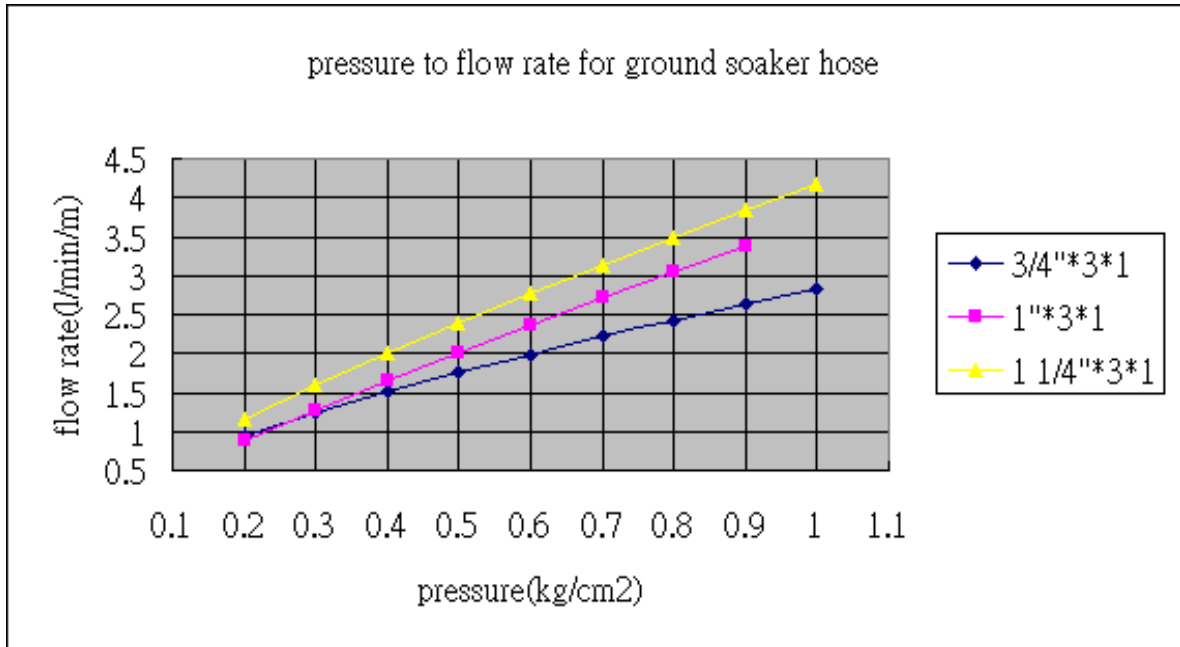


4. AJ-104 wings sprinkler hose: there are two wings run at two sides of main sprinkling hose. The wings can protect main hose not to be destroyed from scrape or animal bite at farmland. Also it is steady when it is sprinkling then keep sprinkling direction correct. This type is not such steady as AJ-103 but price is lower.



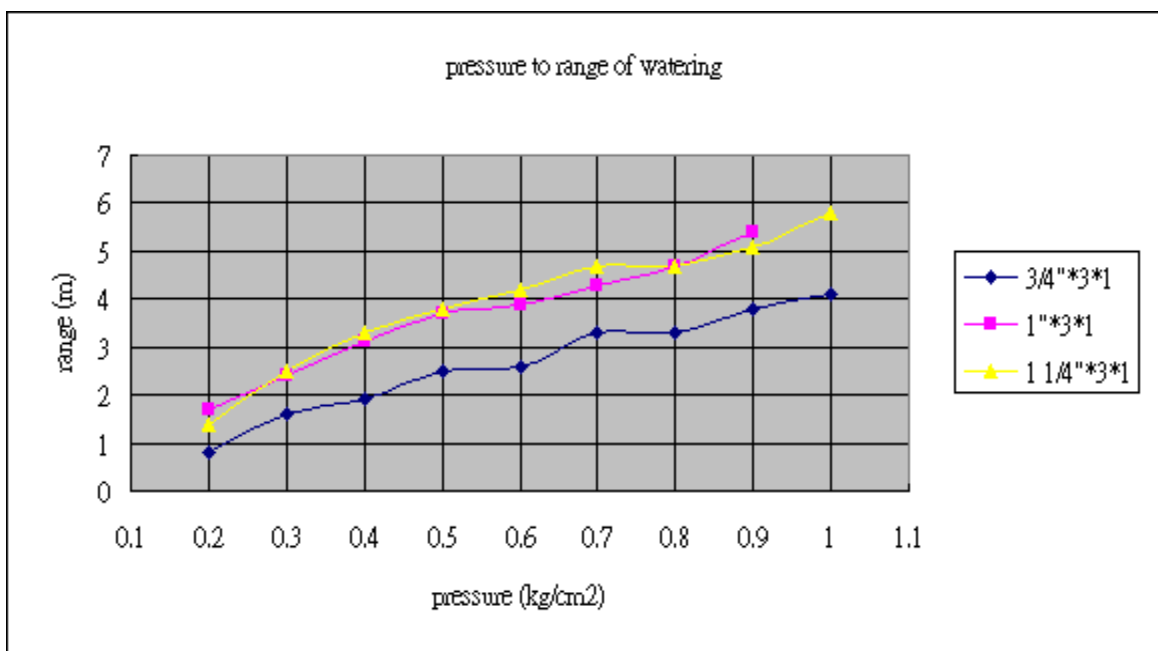
Pressure to flow rate

| Hose specification | pressure(kg/cm ²) | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |
|--------------------|-------------------------------|------|------|------|------|------|------|------|------|
| 3/4"*3holes*1face | flow rate(l/min/m) | 0.94 | 1.24 | 1.51 | 1.76 | 1.99 | 2.22 | 2.43 | 2.63 |
| 1"*3holes*1face | flow rate(l/min/m) | 0.88 | 1.27 | 1.64 | 2.01 | 2.36 | 2.71 | 3.05 | 3.39 |
| 1 1/4"*3holes*1 | flow rate(l/min/m) | 1.15 | 1.59 | 2 | 2.4 | 2.77 | 3.14 | 3.49 | 3.84 |



Pressure to watering width

| Hose specification | pressure(kg/cm ²) | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |
|--------------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 3/4"*3holes*1face | width(m) | 0.8 | 1.6 | 1.9 | 2.5 | 2.6 | 3.3 | 3.3 | 3.8 |
| 1"*3holes*1face | width(m) | 1.7 | 2.4 | 3.1 | 3.7 | 3.9 | 4.3 | 4.7 | 5.4 |
| 1 1/4"*3holes*1 | width(m) | 1.4 | 2.5 | 3.3 | 3.8 | 4.2 | 4.7 | 4.7 | 5.1 |



5. AJ-105 hanging sprinkler hose: single sprinkler hose with a steel wire inside at one edge. We can tie the hose on air at the beginning and end with steel wire and let it over our head. That can let us work with no handicap on farmland. The sprinkling of this type is always mistier than other types. There are two type of perforation- up sprinkling and down sprinkling.

Specification list of hanging sprinkler hoses

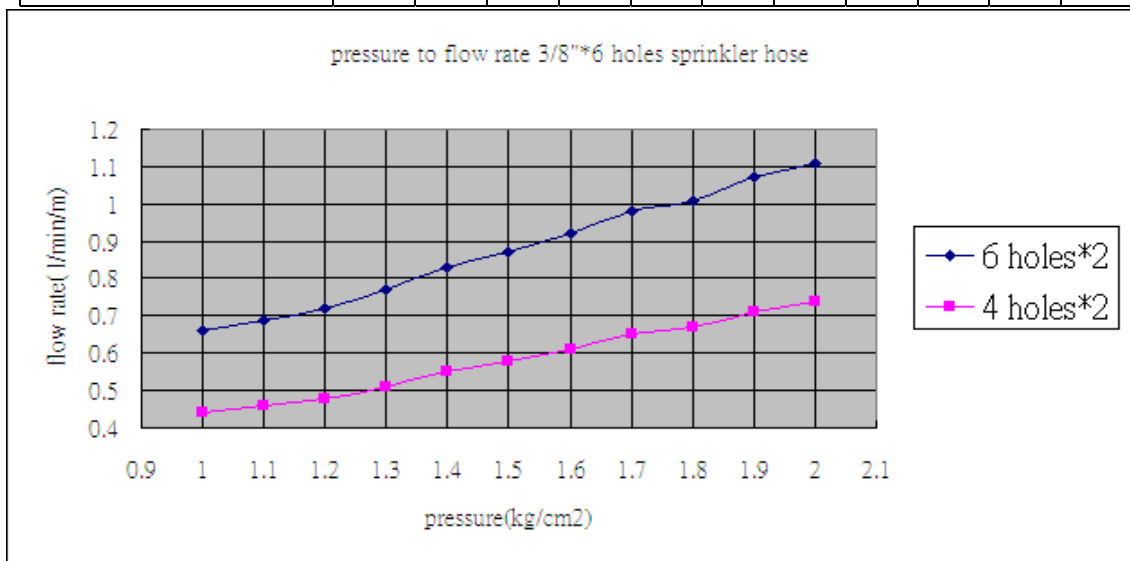
| Named diameter | Tape width | Length | Working pressure | Watering rang |
|----------------|------------|--------|-----------------------|------------------|
| 3/8" downward | 24mm | 400m | 1.5kg/cm ² | 4m (on 2 meters) |
| 1/2" upward | 36mm | 300m | 1.0kg/cm ² | 8m (on 2 meters) |



3/8" downward sprinkling

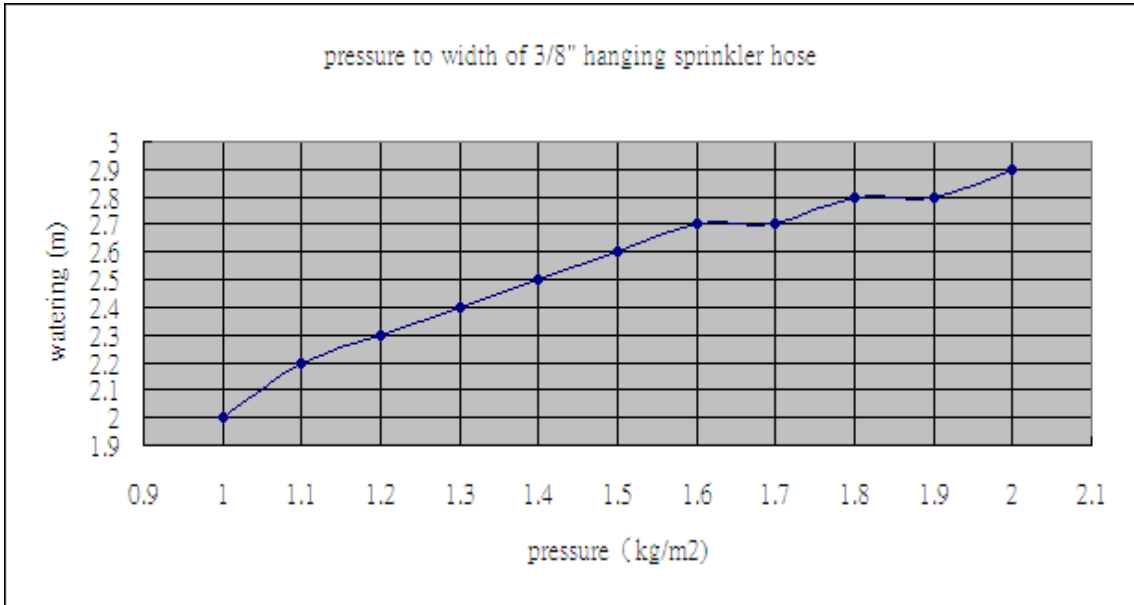
Pressure to flow rate (3/8" sprinkler hose downward)

| pressure(kg/cm ²) | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| 6 holes*2 flow (l/min) | 0.66 | 0.69 | 0.72 | 0.77 | 0.83 | 0.87 | 0.92 | 0.98 | 1.01 | 1.07 | 1.11 |
| 4 holes*2 flow (l/min) | 0.44 | 0.46 | 0.48 | 0.51 | 0.55 | 0.58 | 0.61 | 0.65 | 0.67 | 0.71 | 0.74 |



Pressure to watering width on 1 m (3/8" sprinkler hose downward)

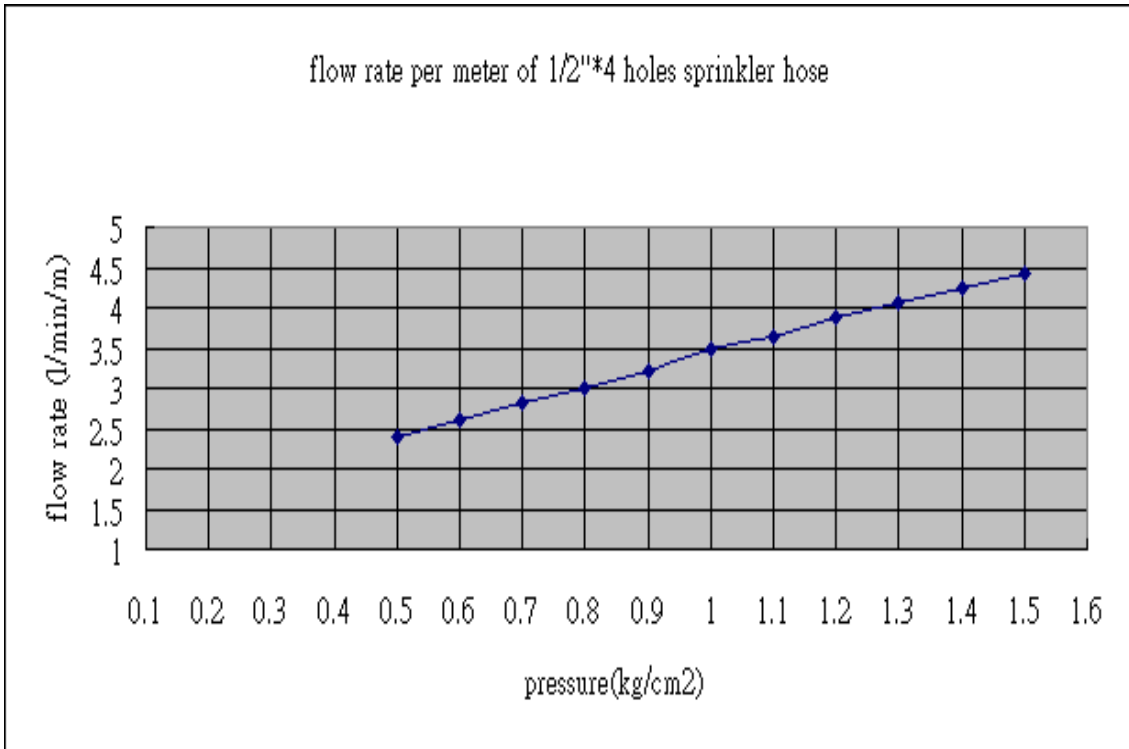
| | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| pressure(kg/cm ²) | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 6 holes*2 width(m) | 2.0 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.7 | 2.8 | 2.8 | 2.9 |



1/2" upward sprinkling

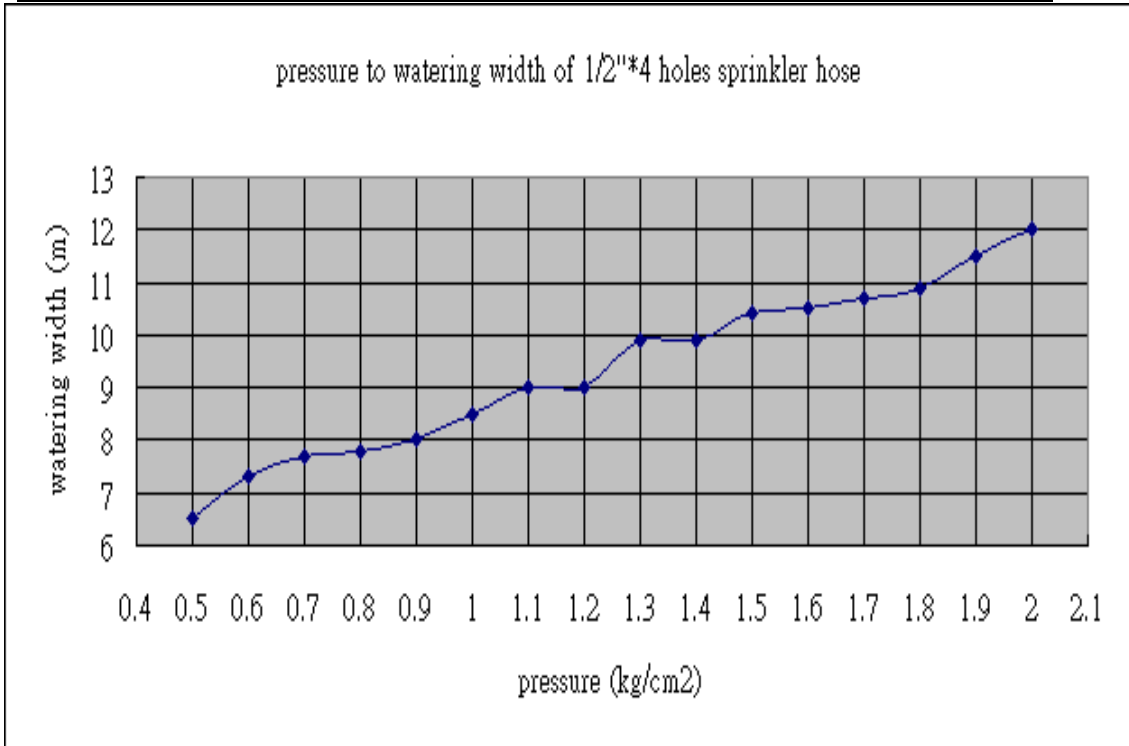
Pressure to flow rate (1/2" sprinkler hose upward)

| | | | | | | | | | | | |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| pressure(kg/cm ²) | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| flow rate(l/min/m) | 2.39 | 2.61 | 2.83 | 3.01 | 3.21 | 3.47 | 3.64 | 3.88 | 4.05 | 4.24 | 4.43 |



Pressure to watering width on 1 m (1/2" sprinkler hose upward)

| | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| pressure(kg/cm ²) | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| watering width(m) | 6.5 | 7.3 | 7.7 | 7.8 | 8 | 8.5 | 9 | 9 | 9.9 | 9.9 | 10.4 |

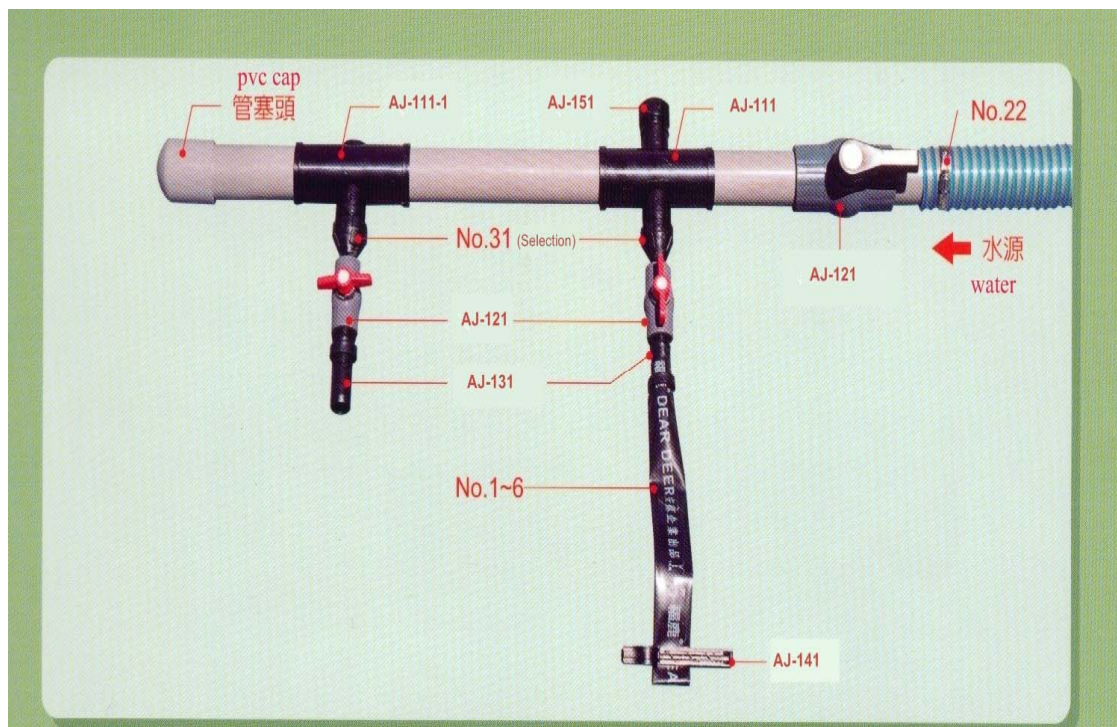
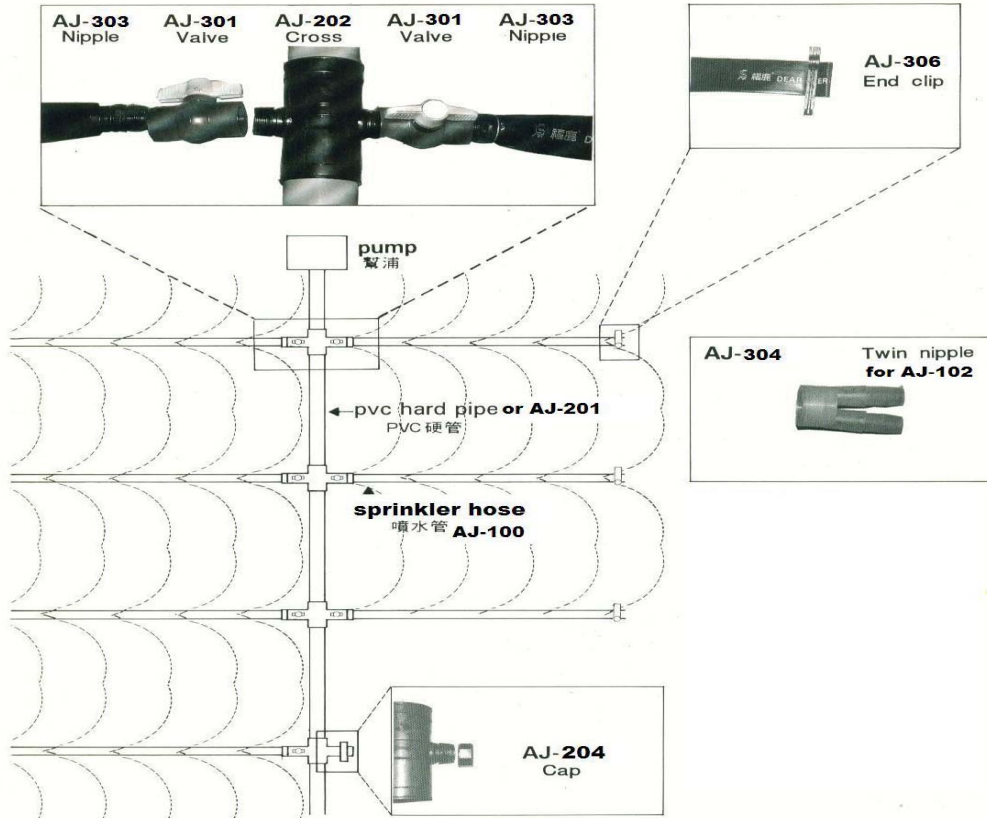


6. AJ-106 low spray sprinkler hose: AJ-101 punched the perforations some far away from center of hose. This hose can be lay under mulch, sprinkle with low spray angle. Let this sprinkle hose go along the plant bed beside the plants row. The plants grow out from the holes punched on the mulch film. While we irrigate, water flow out from the perforations on hose to the roots of plants directly. Liquid fertilizer can be delivery with water to the roots if necessary.



Installation of sprinkler hose irrigation system

The fitting and installation 零件及裝配



Main pipe is hard UPVC pipe



Main pipe is flexible flat hose



Sprinkler hose system is sprinkling

