S130320 AUTOMATIC HOSE REEL

INSTRUCTION MANUAL

1. INTRODUCTION

This reel is made of high-quality materials and qualified, and is driven and released by a recoil spring, which can rewind the hose automatically. Also there is a lock device between left cover and reel, which can control the hose length, pulled out or rewound. A self-layering mechanism rewinds the hose evenly to the reel. Through a mounting bracket on the reel, the reel can be fixed on wall or ceiling, to minimise workspace restriction. An aluminum tube on the reel connects the reel with mounting bracket for quick removal and storage (Fig1). The length of hose ranges from 0-20m, can be 180° swiveled, for numerous applications. The large diameter hose allows for a large volume of air flow, and high pressure. (Fig2, explosion picture of the unit; Fig3, obverse picture of the unit).

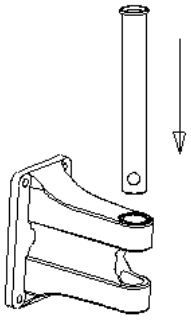


Fig.1

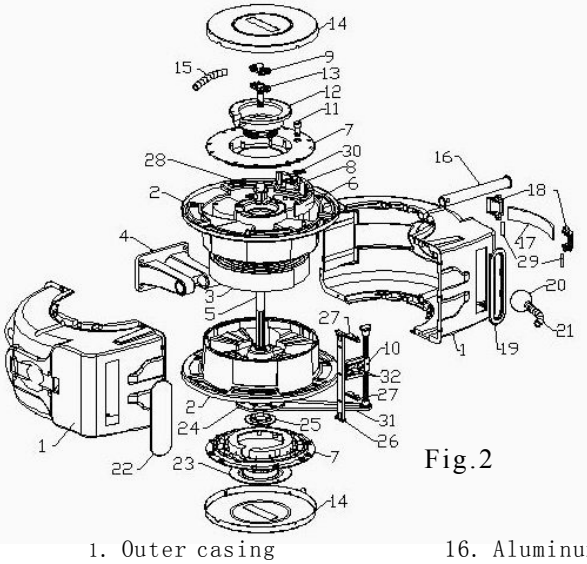


Fig.2

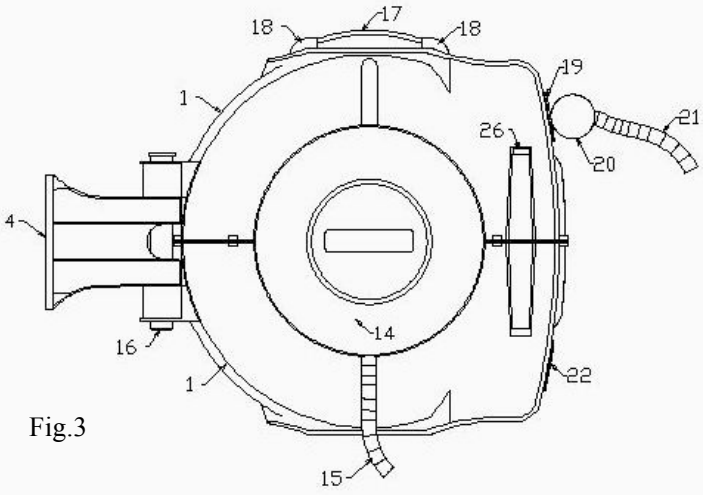


Fig.3

1. Outer casing
2. Coil wheel
3. Spring
4. Mounting bracket
5. Center shaft
6. Ratchet
7. right-and-left cover
8. Pallet
9. hose fixing nut
10. Self-layering mechanism
11. Pallet block post
12. Hose turntable
13. Hose inlet
14. Cover
15. Supply to hose
16. Aluminum tube
17. Handle
18. Handle base
19. Window
20. Hose stop
21. Deferent hose
22. Closed window
23. Spring fix cover
24. Toothed drive plate
25. Toothed drive plate cover
26. Guide body
27. Screw consolidated
28. Inlet connector
29. Metal post
30. Pulling spring
31. In-phase rack
32. Rotating gear

2. INSTALLATION

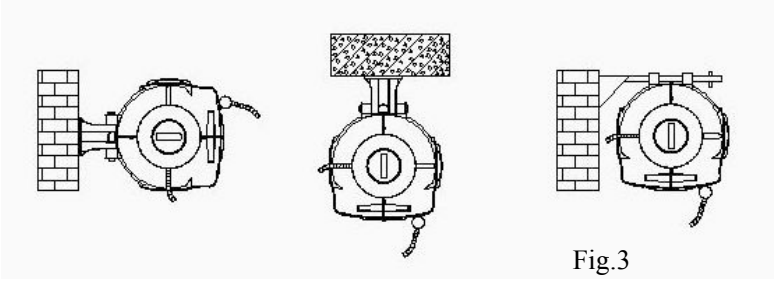


Fig.3

This reel is suitable for installing near source of air. For a large area, please place it in the center of your work area, to allow maximum coverage of your work area. Also you can extend the hose to the most convenient point in this area. This reel can cover a work area diameter of approximately 40m. The mounting bracket can be installed to a brick wall (Fig4). There are many alternative positions in which the unit can be placed. The most appropriate position is to mount it on a wall or post horizontally, approximately 1.25 meters above the ground. Otherwise, the reel can use vertically when you hang in an overhead suitable beam or rafter. At the same time, the reel in the lower bracket pin must be fixed with a bolt or lock to secure the safety. The mounting bracket has 4 holes, to each there is a M8 Dyna bolt corresponds. Each bolt must be fitted with spring washer or padding (Fig5)..

3.ATTENTION POINTS FOR HOSE USE

The reel has a high quality kink resistant hose supplied. After use, please turn off the air. It is the advised to turn off the air supply before retracting the hose. Do not leave the reel in the outside during very low temperature. Under these conditions, the hose may become less flexible and difficult to retract. Do not allow the hose to come into contact with any chemicals or substances, such as acetone, white spirits, acids etc.



Fig.5

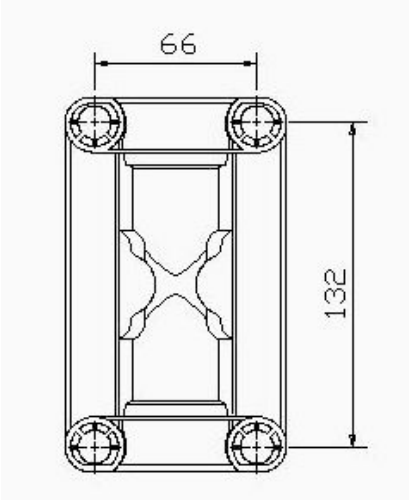


Fig.6

4. HOW TO LATCH AND RETRACT HOSE CORRECTLY

This reel is fitted with ratchet wheel and

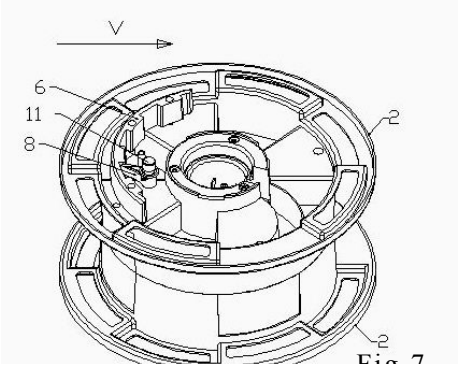


Fig.7

detent design and a safety lock at the side of reel, making it easy to extend and retract the hose. While pulling out the hose, you can hear the repeated ratchet mechanism sound. When you pull out the hose length needed and hear the ratchet mechanism engage, the hose will remain at the desired length (Fig7, Image when the ratchet is in use, V is the pulling direction of hose). When you retract the hose, pull out about 300MM and when no ratchet mechanism can be heard; you can retract the hose now. To retract, please ensure a minimum of 25% of the hose has been extended. During retraction, always hold the hose and follow the retraction until it is finished to prevent injury. If the hose twists, it is necessary to extend the hose to its full length then allow it to retract evenly back into the reel.

5. **MAINTENANCE**

Do not immerse the reel in water to clean. If hose is very dirty, please clean it before retraction. The reel should be mounted in a sheltered position to prolong its life. The metal parts may deteriorate and rust in exposed positions. Also the polypropylene parts will be affected when exposed outside, particularly under sunlight, which will affect the life of the reel housing and retracting wheel. When not in use, it is advisable to store your reel.

If the hose cannot be retracted after prolong use, the spring may be fatigued. So the tension of spring should be adjusted by 1-2 turns: firstly, discharge the left cover from reel, clamp the head of spring, remove it away from reel; then rotate anti-clockwise from the unit for 1-2 turns, restore the spring head to the reel; lastly, replace the left cover.

6. **TECHNICAL PARAMETER**

MODEL	HOSE LENGTH	TYPE OF HOSE	PRESSURE	INNER DIAMETER OF HOSE	SIZE OF INLET HOSE
S130320	66.6FT (20m)	PVC	MAX 1.7MPa (250PSI)	3/8″(9.5MM)	1/4NPT