

COMPRESSED AIR TYPE MOORING LINE DISCHARGER **COSMO**

MODEL: COSMO•GE, GV

With a great deal of experience and superior technique learned by crew at working, mooring line discharger was invented.

It highly contributes to the effective mooring work for general cargo ship, container ship, car carrier, ferry boat, oil tanker etc having wide popularity.



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CHARACTERISTICS

- Light weight easy handling and installation.
- Start-up operation from loading to discharging has come to simple.
- It is very simple to take on and of the coupler even at the pressure of 0.7~0.8MPa.
In addition air intake is very easy to be controlled at the level of appointed pressure with the valve.
- Rubber ball can be applied for oil tanker without any problem from its explosion proof.
- The body is made by stainless (SUS304, some part of the accessories is BC), which gives easy maintenance.



Method of Operation

Preparation before discharging

1. Set the unit on the specified location and connect the attached rubber hose to the compressed air source of the vessel.
2. One end of the attached rope must be securely fastened to the hole of a rubber ball so that it may not come off.
3. Untight the rope in order, place it into a container (wide mouthed bucket or basket, etc.) with the other end tied up an appropriate position.

Operation from loading to discharging

1. Ensure that the handle of the ball valve is closed.
2. Set rubber ball into the barrel with this side of rope attached and fully pushed by rubber ball loading rod. (If barrel is set to be upward, rubber ball is loaded by itself.)
3. Fix the socket (female) attached to one end of the air feeding rubber hose into the plug (male) on the air intake valve, and open the valve to supply the air (This socket serves as a non-return valve.)
4. When the internal pressure of the tank at reached the specified valve (which may be adjusted according to the trajectory range), close the feed air valve.
5. Fix direction of the unit to take an appropriate elevation angle (20~45degree) then, extract safety pin from operating valve handle and if the same handle is operated rubber ball gets onto the target describing an arch.

NOTE

1. Do not pump up the compressed air over than 0.9MPa. (The safety valve open at 1.08MPa)
2. After air charging, be care of barrel top direction, in particular, and never extend your hands over barrel muzzle or peep in its inside.
3. Do not launch the unit as it is kept level.
Take an elevation angle as shown in item 5 by all means so that the rubber ball flies describing a parabola.

DETAILS

Main body	1
Rubber ball	2
Rubber ball loading rod	1
Rope (φ5mm×100m)	2
Air hose (φ8mm×5m) (with coupler)	1
Fork end (SUS)	1

※Our special model COSMO·GVL (horizontal range 100m) is also manufactured.

※Specification may change without notice.

MAIN PARTICULARS

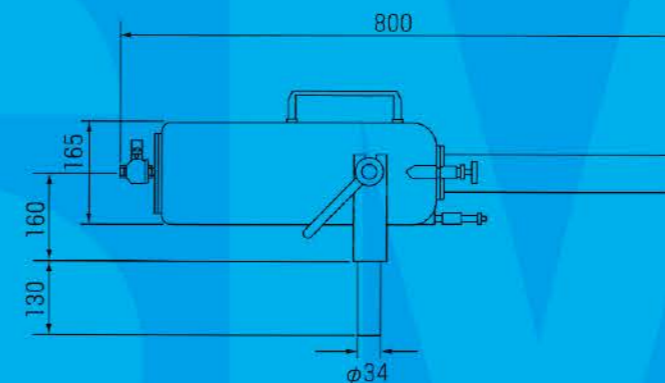
Compressed air type	GE·TYPE	GV·TYPE
Overall length	800mm	1030mm
Diameter of body	165mm	216mm
Diameter of barrel	60.5mm	65mm
Length of barrel	650mm	800mm
Body weight (abt)	11kg	16kg
Maximum working air pressure	0.9MPa	0.9MPa

HORIZONTAL RANGE

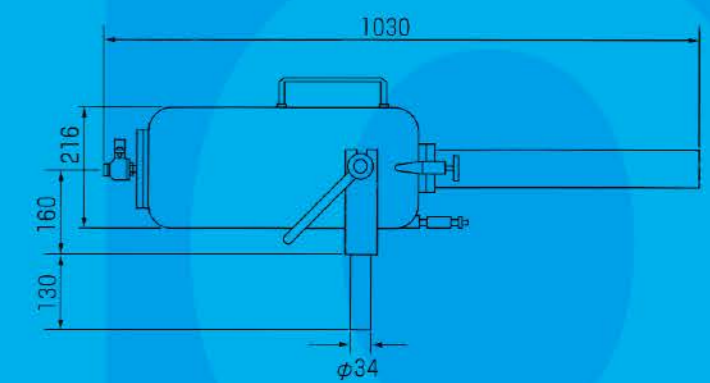
Air pressure (MPa)	Horizontal range	
	GE·TYPE (m)	GV·TYPE (m)
0.4	45	60
0.5	50	68
0.6	55	75
0.7	60	80
0.8	65	85

The observation values using a 5mm rope under no-wind conditions.

DIMENSIONS



COSMO-GE



COSMO-GV

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MOORING LINE DISCHARGER

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Dealer

Distributor

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