

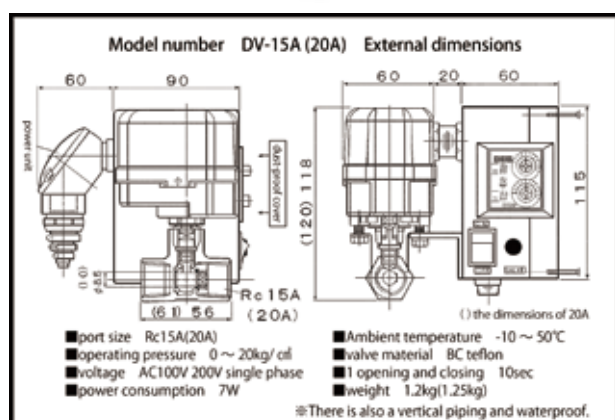
Completely discharges sticky drain and ensures no clogging of the valve

Airtec



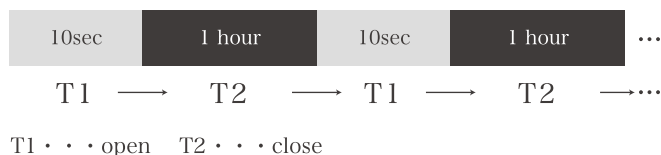
Drain timer valve

Frequent discharge of drain!
No retention of drain!
Many years of experience and reliability!



Motorball valve using a twin timer,
periodically opens and closes
discharging the drain!

Ex) Opens and closes for 10 seconds every once in an hour
• • • the time setting range is from 10 seconds to 6 hours
(For special orders, can choose 300 hours)



The occurrence of compressed air drain and air equipment trouble

Due to air drains, significant losses such as, machinery coming to a running stop, malfunction and repair of terminal equipment and the additional labor costs can occur!



Freezing



Clogging

Large scale air tank



for inside

tip of the tank



for outside

water-cooled after cooler



discharge drain



tank and separator



Large air filter



Large air dryer



for vertical piping use



piping elbow



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Installation example

The companies who are struggling with drain discharge adopt our timer valve.



Air tank and separator
@Sugar mill
Running since 1991~



Large air filter
@Cement plant
Running since 2001~



Large air dryer
@Foundry
Running since 2005~



End of the drain pot
@Ironworks
Running since 1991~



For discharging of air
@Ironworks
Running since 1991~

ex) air compressor room in ironworks ... instrumentation air line

Installing a variety of traps in the drain discharge of drain separators (4 units), results in malfunction. Therefore, remove them and discharge the drain by opening the valve a little.



Opens and closes once every five minutes for 10 seconds, and discharges the drain (1 hundred thousand times per year)

•15A × 1 place at 50 /min of air loss, is equivalent to 0.5kw in the discharge amount of the compressor.

Electricity bill of 0.5kw · 200V is, 8 yen/time (Kyushu Electric Power Co.,Inc)

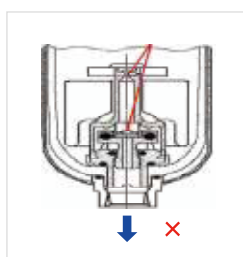
In 8 yen × 24 hours × 365 days = ¥ 70,080 × 4 places, and **save the cost of ¥ 280,320/year**

※ Trouble and repair of air equipment has plummeted.

Merits and demerits of other systems

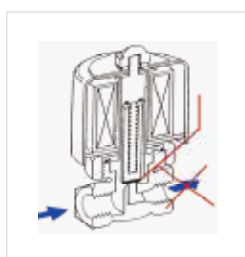
Due to deficient discharge by the clogging, the drain does not flow once the piping distance increases.

Float system



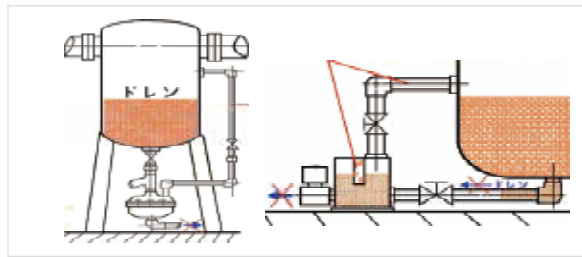
Float system has minimal operating hole

Solenoid valve



diameter of valve is small and susceptible to foreign substance

Drain spot system



Requires a uniform pressure pipe, it is impossible to make a hole in the tank. The drain oil adheres to the sensor and malfunctions, and hence needs to be wiped off

[a large number of introduction track record]

About 1300 units already delivered to steel related companies outdoor waterproof type of be spoken products (IP3) have a decent introduction track record.

Besides there is a large number of introduction track record!!

Nippon Steel ... 680units, JFE ... 235units, Ube Industries ... 220units, Sumitomo Metal ... 45units, Kobe Steel ... 53 units Sankyu ... 30units, Nisshin Steel ... 22units, Aichi Steel ... 18units, Nippon steel sheet ... 10units, Yodogawa steelmaking ... 1 5 units, Steel plant related companies... 103units, Hitachi Metals and Kyushu ... 63units, Oji Paper ... 25units, Mitsubishi Materials ... 25units, Kyushu Electric Power ... 10units, Toyota Motor ... 15units, Nikko Saganoseki ... 16units, TOTO ... 10 units Ryobi ... 8units,