Automotive Industry

- Fuel Sender Float
- Engine Oil
- ABS System • Carburettor
- Radiator
- Window-washer
- Power Steering
- Various monitors
- Fuel Filter for Diesel
- Fuel Gauge for LPG
- Constructing and Agricultural machines

Aero Space and Ship Industry

- Fuel Tank Gauge • Liquid level sensor for • Fuel Sensor for Rockets
- Water Seal Float • Fuel Valves • Oil Level gauge for • Sensor for LPG ships
- Transformer • Fuel Sensor for Jet Ski • Air-Leak Valve for Under waterworks
- Oil level sensor for Jet Ski • Fuel gauge for Tanker
 - Auto-Drain for
 - Lubricating Units

• Boiler control

Industrial

Machines

Plants

Generators

Pneumatic Filters

- Gasoline Fuel Dispensors
- Gasoline underground

Machines • Humidifier

Electronic

- Copier • Automatic bending
- machines • Water Cleaner
- Detection for the liquid level of two different kinds of S.G. Liquids
- Supersonic cleaner
- Developer for pictures
- Oil baths for Testing instruments
- Atomic Power Plant
- tanks

• Air-conditioner Solar system • Fan-heater

Home

Stove

Appliances

- Sauna
 - Dish-Washer
 - Shower Toilet
 - Cleaning machine
 - Fuel Cell System

There are many other applications of Floats. The above mentioned are only examples.

The Features of RF-2 Floats

RF-2 Floats has been developed especially for good resistance to Oil / Fuel, and good resistance to high temperature.

Floats have more excellent features in broad range.

Please refer to our contacts when you have any questions.

Caution : Every application has different conditions, and Floats features under each application must be discussed before the actual application, or the test application on your own discretion is highly appreciated.



No.2-52, Higashi 2-chome, Nakanocho, Tondabayashi, Osaka, 584-0022, Japan ◆TEL:81-(0)721-26-0511 ◆FAX:81-(0)721-25-8210 ◆E-mail:riko@riko.co.jp ◆http://www.riko.co.jp



Float for Valve

2013.11.5000(Z)



Riko's Float Technology

OATNIC Flexibility for diversified needs with

"Desirable Structure and Shape"



Fuel Sender Floa for Motor-Bikes RF-2 Float, The high quality with the next generation level. It shows only limited or marginal changes in dimensions and S.G..

The merit of completely closed cell.

right pictures. If you cut floats with same size, the imcompletely closed cell float will sink, while

Desirable Specific Gravity can be achieved, and stable. Targeted S.G. or Buoyancy can be realized.







Completely closed cell

closed, the liquid will not buoyancy will not be affected so much.



Imcompletely

The liquid goes through in the cells, and the float is no longer buoyant.





Complicated shapes can be formed.

Magnet can be incerted like this.

forme<u>d like this.</u>



Technique of brending NBR and Phenolic Resin and other materials and **Original Two Curing Processes** make an ideal shape "RF-2", an ultimate float.

Originally Experienced Know-Hows and many tests in the production process have RF-2 Floats kept High Quality.

Very light, but Rigid

Resistance to Heat Under certain conditions, Temperature resistance is upto 180°c. **Mechanical Strength** 9 RF-2 Floats are ebonite and strong enough for after-works for Metal or Magnet Incerts. **Pressure Resistance** Float, with S.G.0.3kg/cm², withstands

with almost no absorption of water under 2~3MPa.

Comparison with other material floats

Conditions	RF-2 Float	Stainless Steel	Plastic Blown	Plastic Foam	Cork
Cut and break	۲	×	×	\bigtriangleup	\bigtriangleup
Temperature Resist.	۲	۲	×	×	\bigtriangleup
Resist. To Fuel, Oils	۲	۲	\bigtriangleup	×	×
Shock Resist.	۲	×	×	\bigtriangleup	\bigtriangleup
Metal Incert	۲	\bigtriangleup	\bigtriangleup	۲	\bigtriangleup
Magnet Incert	۲	۲	\bigtriangleup	۲	×
Water Pressure Resist.	۲	×	×	×	\bigtriangleup
Anti-corrosion	۲	۲	\bigtriangleup	\bigtriangleup	\bigtriangleup
Price Range	۲	×	۲	\bigtriangleup	۲

Superb preciseness of Specific Gravity is achieved with Independently Closed **Cell Foam Structure.**

Riko has developed various kinds of products with high experienced skills, and our "RF-2" Floats are widely appreciated in various kinds of industries.

Generally speaking, Stable buoyancy, Specific Gravity, Resistance to Heat, and Resistance to Oils, Fuels and Chemicals are mostly required to floats. However, the then existing floats such as Brass, Cork and Plastic had been failing in those requirements.

Riko has realized the precise Specific Gravity with high brending skill and experienced know-hows of Curing Process. RF-2 Float has solved many kinds of problems in broad range of industries, and it has become an indispensable part for developing new sensors or meters.

Please just try RF-2 Floats, and you will find out how good they are.



* This is the general features only. A specific float must be refered to our engineers. The main raw materials are NBR (Synthetic Rubber) and Phenolic Resin. The recipe includes some other materials such as Curing Agent, Blowing agent and other chemicals.

These are developed by our long experience and efforts.

The features of NBR	Nitril contained	Features		
Very High Nitril	42~51%	The higher the Nitril, the better resistance to Oil and Fuels.		
High Nitril	36~41%			
Midium High Nitril	31~35%			
Midium Low Nitril	25~30%	 The lower the Nitril, lower heat resistance. 		
Low Nitril	18~24%			

Various shapes of Floats to meet our clients' diversified requests. From Custom types to OEM ones.

Magnet can be incerted like this.

Gentle curve can be formed like this.



ct Introduction



RF-2 Floats are easy for after-works, and supplied to various kinds of industries. They have contributed for the technological developments, and they will in the future.

We will continue to supply RF-2 Floats in order to fulfill the requests from our clients, such as "We need more efficient float for the new project…." or "If only we have a float which can withstand the very severe application…."

A very tiny float can play an important role in automation industry, and also it can contribute the development of the electric machines.

— This is our Belief. Many kinds of shapes of Floats. Each one of them are the original to each client's needs. It also involve the client's desire and our techniques and Belief.