

# FOR PIGGING BALL VALVE

CH1(PG)  
HF5  
HY1·HY2 MODEL

SPECIALY FOR PIGGING SYSTEM

- CH1(PG)
- HF5
- HY1·HY2
- CH1(PG)-AD
- HF5-AD
- HY1-AR
- CH1(PG)-AS
- HF5-AS
- HY2-AR
- CH1(PG)-TD
- HF5-TD
- CH1(PG)-TS
- HF5-TS



# Hisaka can supply a best valve which can be improved for the yield rate of process line and suitable for pig system concerned about environment.

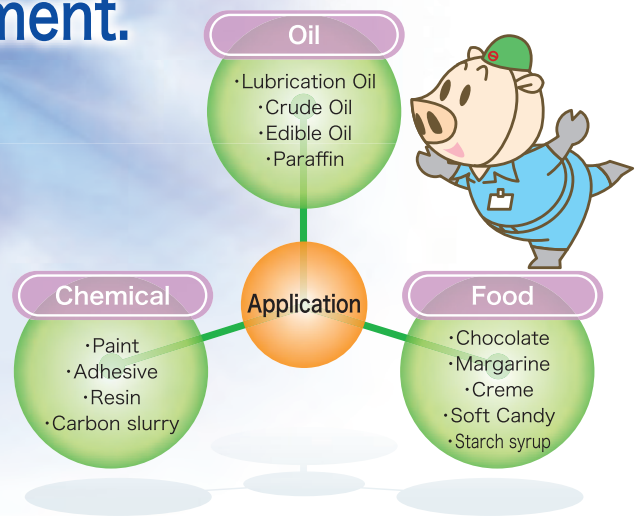
"It is very difficult to making pipe line for each liquid of many kinds, about cost and space."

"in case of edible liquid, cleaning process is so severe and..."

Now increasing requirement PIG system from user for some purpose as followings.

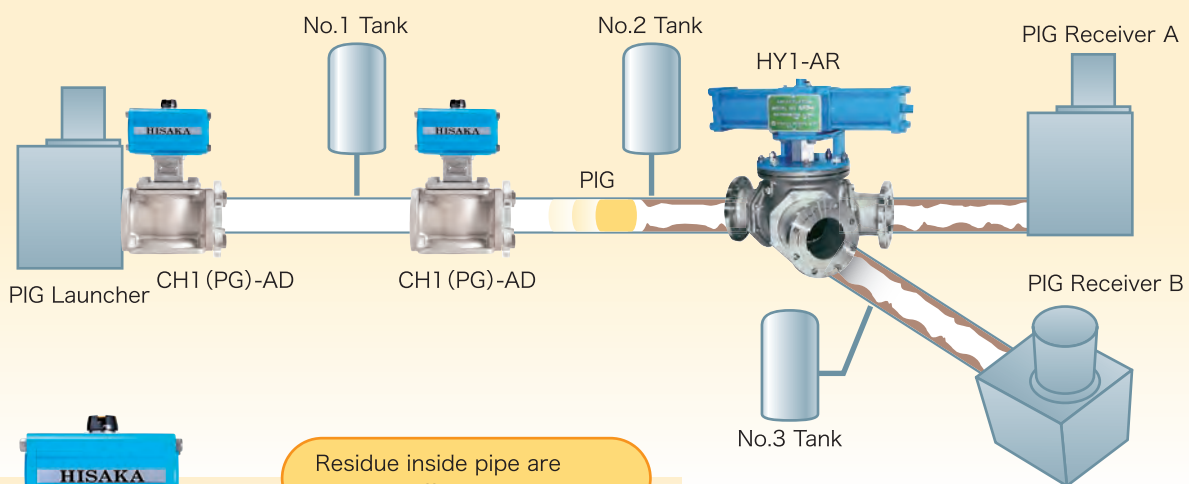
- Improvement of the yeild rate(material)
- Simplifying the cleaning process for piping
- Conscious of environment

Hisaka developed a special valve for pigging system due to efficiently using this system.



## An example for automatic process line using shuttle PIG.

### For slurry, fat and others



Residue inside pipe are scraped off and retrieved.

Flow plural liquid with 1 piping and stored to separated tank.

Connection size is same with pipe size.  
Connection rating is JIS10K.



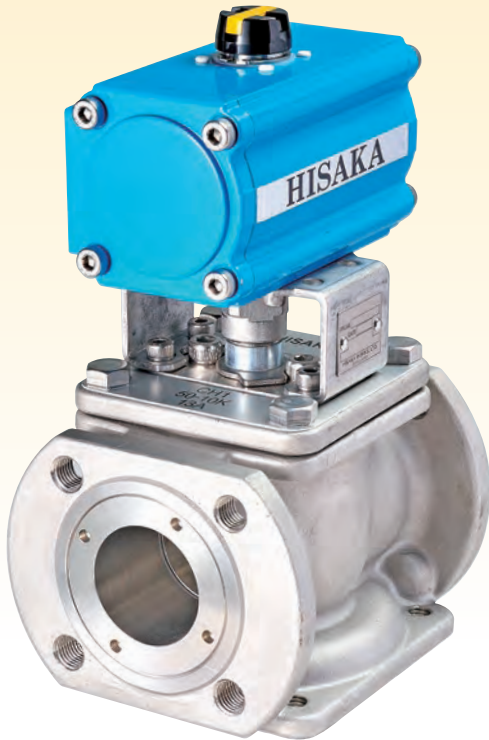


## 2-WAY VALVE CH1 (PG) MODEL

Port diameter is suitable for Sch10 piping.

This model is suitable for pigging system of cleaning inside pipe. It can be selected port size depend on size of PIG.

CH1 (PG)-AD



### Comparison valve port and piping dia.

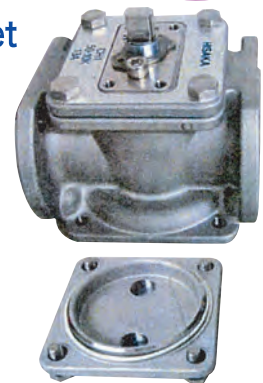
Size	CH1 (PG) Port dia.	SUS PIPE Sch10S	SUS Welding pipe Sch10S
50A	φ55.0	φ54.9	φ54.5
65A	φ71.0	φ70.3	φ70.3

Edible fluid easily solidify

### Option

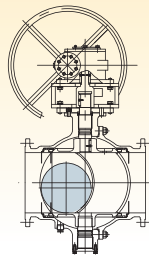
#### Stainless made Jacket system (Bolt on type)

The jacket flange is mounted to under part of valve by bolts. And heating up only bottom side of valve, therefore it is not fear of heating up too much. This model is suitable for solidified fluid by temperature excursion, like, edible fluid and others.



#### Available for PIG dropping system

For falling PIG and retrieving residue, ball shape is special and can be fallen PIG by 180° turning operation.

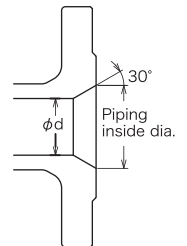


### MODEL: HF5 PORT DIA. Maching Allowable Max. Dia.

HF5-AD



for except 50A & 65A, recommend Hisaka HF5 model.



	40A	80A	100A	125A	150A	200A	250A	300A
Port φd	38	76	102	127	152	203	254	305
Machining φd(Max.)	40	78.5	103.5	129	154	205	256	307

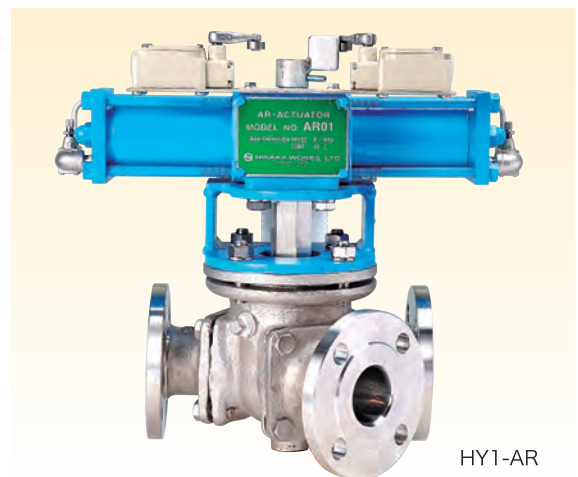
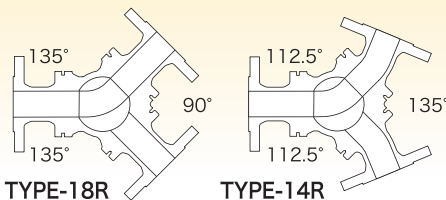
\* Can be beveling (standard 30°) for inlet & outlet port.

\* Please select within port dia. to machining allowable dia.

## 3-WAY (MODEL: HY1·HY2)

This Y-type 3-way ball valve can be divert passing direction of PIG, because of radius of curvature is big (same or bigger than long elbo's one). Pressure loss is quite small.

#### Example of Flow direction



★Please apply the details.

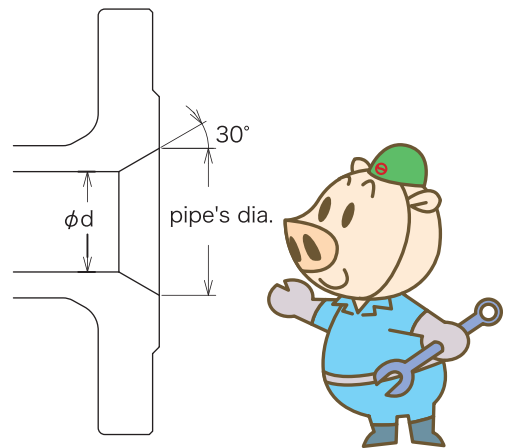
**⚠ CAUTION**

● Please refer the instruction manual before using.

In case of pipe's dia. and valve's port dia. are different (valve's port dia. is smaller than pipe's dia.), it is necessary for machining part of valve port for size up. Allowable passing dia. of Rubber PIG for each general piping size are as followings.

- 40A - 65A pipe's dia. below 1.5mm differential
  - 80A - 150A pipe's dia. below 2.0mm differential
  - 200A - 300A pipe's dia. below 3.0mm differential
- \*Allowable dia. is changed depends on PIG shape and material.

In case of valve's port dia. is smaller, connecting part of valve's flange need beveling to same with Pipe's dia.



■ ISO14001 CERTIFIED PLANT ■ API CERTIFIED PLANT  
■ ISO9001 CERTIFIED PLANT

**VALVE DIVISION**

■ SELES DEPT 2-1-48 HIGASHI-KONOIKECHO, HIGASHI-OSAKA CITY  
OSAKA 578-0973 JAPAN  
TEL : +81-72-966-9651 FAX : +81-72-966-9652

[www.hisaka.co.jp](http://www.hisaka.co.jp)

✉ [valve\\_info@hisaka.co.jp](mailto:valve_info@hisaka.co.jp)

● There is possibility to change spec for improvement without advance notice.

