

HISAKA

HF5(HT)

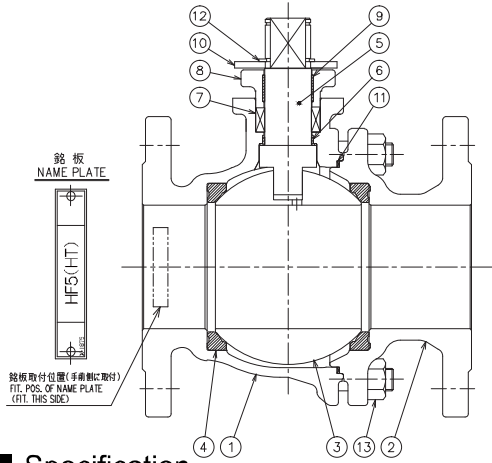
300°C Available Hi-T[®] Seat



Feature

- Carbon filled Reinforced PTFE, this soft seat can offer a wide temperature range maximum 300°C, up to 1.0MPa.
- The basic material is PTFE which has advantage of low torque, tight sealing and easy maintenance. It is superior to metal seats and carbon seats in cost performance.

Parts name and the main material



No.	Parts name	Q'ty	Material				Remark
1	Body	1	SCS13A ASTMCF8	SCS14A ASTMCF8M	SCS16A ASTMCF3M	WCB	
2	Body Cap	1	SCS13A ASTMCF8	SCS14A ASTMCF8M	SCS16A ASTMCF3M	WCB	
3	Ball	1	SCS13A/CF8 ASTM A276 S30400	SCS14A/CF8M ASTM A276 S31600	SCS16A/CF3M ASTM A276 S31603	SCS13A/CF8 ASTM A276 S30400	
4	Ball Seat	2	ハイテシートPTFE Hi-T SEAT PTFE				Consumption parts
5	Stem	1	SUS304 AISI304	SUS316 AISI316	SUS316L AISI316L	SUS403 AISI403	
6	Stem Bearing	1	ハイテPTFE Hi-T PTFE				Consumption parts
7	Gland Packing	1SET	Expanded Graphite Braided Packing				Consumption parts
8	Gland Cap	1	SCS13A ASTMCF8	SCS16A ASTMCF3M	SCS16A ASTMCF3M	SCS13A ASTMCF8	
9	Gland Bearing	1	ハイテPTFE Hi-T PTFE				
10	Stop Plate	1	SUS 304 AISI 304				
11	Gasket	1	Expanded Graphite				Consumption parts
12	Snap Ring	1	SUS 304 AISI 304		SK5 AISI W1		
13	Studs Bolt & Nut	1SET	SUS 304 AISI 304		S45C AISI1045		

Specification

Seat Name	300°C Ball Valve Seat, Hi-T® Seat (Symbol : HT)
Fluid Temperature	-30~300°C ※The range will be changed according to valve specification.
Valve Model	HF5(HT)
Valve Size	15A ~ 250A, 1/2" ~ 10"
Seat Leakage	Tight shut-off
Connection Standard	JIS10K,20K,30K ASME/JPI 150#,300#

Body material	SCS13A, 14A, 16A(CF8, CF8M, CF3M) WCB
Flow Direction	The valve specification is 2-way. The 1-way specification is suitable in case of unusual pressure rising in the valve cavity.
Creep Resistance	The seat has resistance for high creep. It keeps tight sealing and long life performance at high temperatures.
Oil & Water Free	Optional treatment

⚠ Not suitable for using in strong acids, oxidizing agents, toxic gases, and combustible gases at high temperatures. ※Please contact to HISAKA for more information.

Sizing

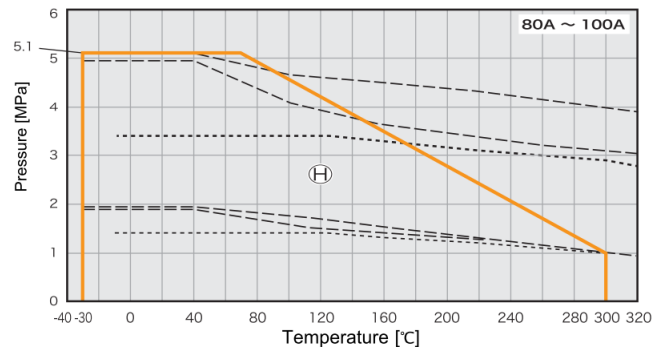
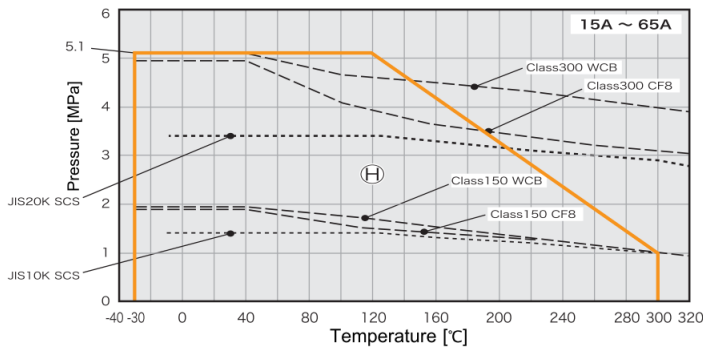
HF5(HT)
1.0MPa
Actuator
Sizing table

Actuator type / Valve Size	15A	20A	25A	32A	40A	50A	65A	80A	100A	
Double Act.	AD (COMPACT TYPE)	AD05N	AD05N	AD07N	AD07N	AD07N	AD08	AD08	AD10	—
	TD (GENERAL)	TD1	TD1	TD2	TD2	TD3	TD3	TD4	TD4	TD5
Single Act.	AS (COMPACT TYPE)	AS07N	AS07N	AS07N	AS08	AS08	—	—	—	—
	TS (GENERAL)	TS1	TS1	TS2	TS2	TS3	TS3	TS4	TS4	TS5

HF5(HT)
2.0MPa
Actuator
Sizing table

Actuator type / Valve Size	15A	20A	25A	32A	40A	50A	65A	80A	100A	
Double Act.	AD (COMPACT TYPE)	AD05N	AD07N	AD07N	—	AD08	AD08	AD10	AD10	—
	TD (GENERAL)	TD1	TD2	TD2	—	TD3	TD3	TD4	TD5	TD5
Single Act.	AS (COMPACT TYPE)	AS07N	AS08	AS08	—	—	—	—	—	—
	TS (GENERAL)	TS1	TS2	TS2	—	TS3	TS4	TS4	TS5	TS5

Rating



● Symbol Description	— JIS 10K/20K Body rating
(H) — Hi-T® Seat (HT)	— ASME Class 150/300 Body rating

株式会社 日阪製作所
HISAKA WORKS, LTD.

- ISO14001 Certified
- ISO9001 Certified
- Applicant of high pressure gas minister certification
- ISO45001 Certified (Konoike Plant)

Please check our website for latest information! <https://www.hisaka.co.jp/english/valve/>



※You can also check product information from your mobile device.

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SAFE TO USE

- For safety purposes, please make sure to read the instruction manual before using this product.
- Please inspect the equipment regularly.