

PHF-J series Static Flow Balancing Valve

Static flow balancing valves is used in hydraulic system. It can balance the flux in the end or every branch in the system accurately. Water system's balance is the premise for normal operation. The system can provide maximum comfort and the least energy consumption in this premise. Screw connection valves' body adopts Venturi flow meter. It makes the flow regulation be more accurate and the flow monitor be more convenient.

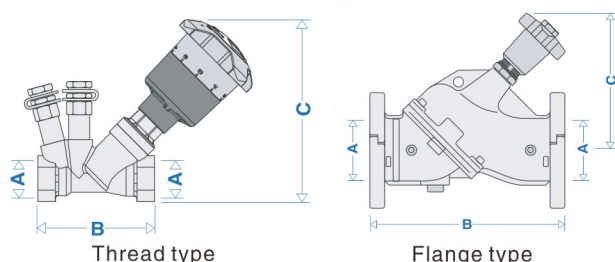
Operational Principle And Advantages

Balancing valve is used to adjust the medium flux which flow through the valve body. Balance valve's shaft moves up and down after turning regulating valve's handle to adjust the flow diameter and change the curve feature. Depending on the differential pressure which is measured by the equipped pressure testing port can test and adjust the flux.

Features:

1. System's terminal can operate under heating, refrigeration and arefaction. It will not cause energy waste and the comfort can be ensured.
2. Pump works at the best position. And there is no overheat or wastage.
3. No noise and pipe corrosion.
4. Temperature adjustment valve always works under normal differential pressure range.

Model Selection Description



Features:

Body material: DN15–DN50 brass, DN65–DN150 gray cast iron maximum working pressure: 16bar





Operating range: –20~120℃

Medium: water and ethylene glycol, ethylene glycol ≤50%

Accuracy: ± 10%

Sealing material: EPDM

Scale: DN15–DN50: 0–6 DN65–DN150: 0–7

Photo	Order No.	Model No.	Connection type	DN	Kvs (l/h)	Dimensions		
						A	B	C
	14104	PHF-J-X15L	Thread type	DN15	3	G1/2	67	143
	14105	PHF-J-X20L	Thread type	DN20	4.4	G3/4	76	148
	14106	PHF-J-X25L	Thread type	DN25	7.5	G1	89.5	154
	14107	PHF-J-X32L	Thread type	DN32	12	G1-1/4	103	165
	14108	PHF-J-X40L	Thread type	DN40	17	G1-1/2	123	173.5
	14109	PHF-J-X50L	Thread type	DN50	26	G2	144	192
	14110	PHF-J-S15L	Thread type	DN15	3	G1/2	76	117
	14111	PHF-J-S20L	Thread type	DN20	4.4	G3/4	83	125
	14112	PHF-J-S25L	Thread type	DN25	7.5	G1	97	135
	14113	PHF-J-S32L	Thread type	DN32	12	G1-1/4	110	143
	14114	PHF-J-S40L	Thread type	DN40	17	G1-1/2	129	150
	14115	PHF-J-S50L	Thread type	DN50	26	G2	153	170
	14116	PHF-J-Z15L	Thread type	DN15	3	G1/2	67	116
	14117	PHF-J-Z20L	Thread type	DN20	4.4	G3/4	76	122
	14118	PHF-J-Z25L	Thread type	DN25	7.5	G1	89.5	127
	14119	PHF-J-Z32L	Thread type	DN32	12	G1-1/4	103	139
	14120	PHF-J-Z40L	Thread type	DN40	17	G1-1/2	123	147.5
	14121	PHF-J-Z50L	Thread type	DN50	26	G2	144	167
	14122	PHF-J-65F	Flange type	DN65	118	ø65	305	244
	14123	PHF-J-80F	Flange type	DN80	140	ø80	306.5	267
	14124	PHF-J-100F	Flange type	DN100	265	ø100	356	268
	14125	PHF-J-125F	Flange type	DN125	480	ø125	445	272
	14126	PHF-J-150F	Flange type	DN150	650	ø150	525	294

Static Balancing Flow Tester

Order No:14134



PHF-J-TSY01 static balancing valve flow tester is used to the static balancing valve system's flow debugging. Equipped With the PHF-J series Hengsen static balancing valve can measure system pressure and differential pressure. And calculate the current flow automatically according to valve laps which is set by the user. Automatically calculate the quantity of the valve laps which need to be opened, change the previous trouble of manual inquiry the flow curve, and reduce the calculation error. Greatly improves the efficiency and accuracy of the static balancing valve system flow debugging.

Operator interface design with Chinese and English. Recharge or replace the lithium battery power supply, water and electricity separation, handheld operation, with backlight large digital display, compact and portable, adapt the complex scene debugging.