KITZ

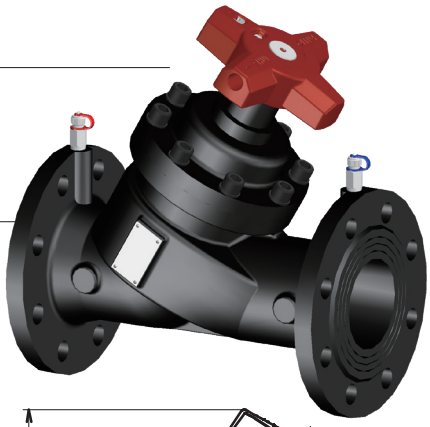
Figure	PN16SIGDR PN25SIGDR

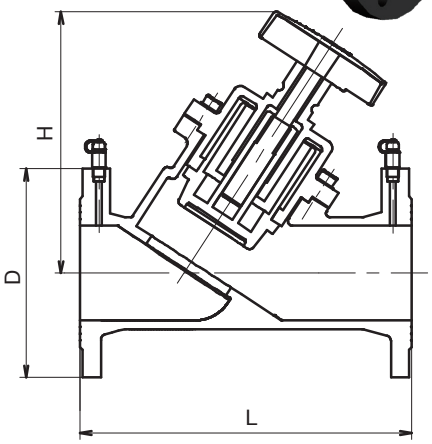
Static Balancing Valve

PN16 / PN25 DUCTILE IRON

Figure	PN16SIGDR / PN25SIGDR
Caliber range	DN65～DN500
Permissible pressure	PN16, PN25
Service temperature	-10～+150°C
Connection flange	ISO7005-2
Flow accuracy	+/-10%

Note(s) Please refer to Drawing for applicable standard and other detail information.





Dimensions (UNIT : mm)

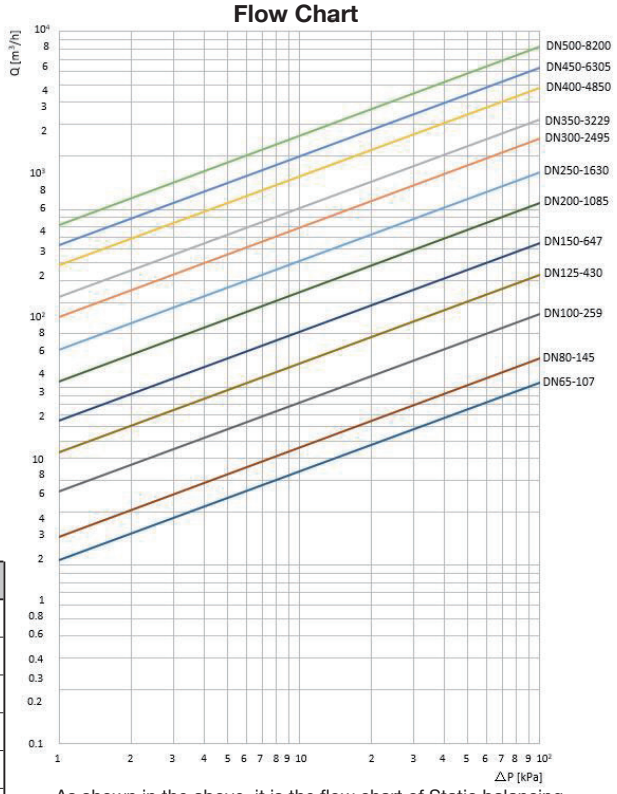
NOMINAL SIZE		PN16		PN25		L	H	MASS (kg)
NPS	DN	Bolt Aperture	D	Bolt Aperture	D			
21/2	65	4-19	185	8-19	185	290	222	15
3	80	8-19	200	8-19	200	310	257	21
4	100	8-19	220	8-23	235	350	275	30
5	125	8-19	250	8-28	270	400	332	45
6	150	8-23	285	8-28	300	480	396	65
8	200	12-23	340	12-28	360	600	498	123
10	250	12-28	405	12-31	425	730	555	195
12	300	12-28	460	16-31	485	850	630	320
14	350	16-28	520	16-34	555	980	733	440
16	400	16-31	580	16-37	620	1100	800	630
18	450	20-31	640	20-37	670	1200	810	885
20	500	20-34	715	20-37	730	1250	900	1125

Coefficients

NOMINAL SIZE		Kvs (m^3 / h)	Cv (gal/min)
NPS	DN		
21/2	65	107	125
3	80	145	169
4	100	259	302
5	125	430	502
6	150	647	755
8	200	1085	1266
10	250	1630	1902
12	300	2495	2912
14	350	3229	3768
16	400	4850	5660
18	450	6305	7358
20	500	8200	9569

* Fully open position.

Flow Chart



As shown in the above, it is the flow chart of Static balancing valve DN65-DN500 when the valve is full open.
For example: When the PN16/25 SIGDR 65(DN65) is full open, △P=20kPa The Qmax is about 50m^3 /h.

Materials

NAME OF PART	MATERIAL
Valve Body	Ductile Iron(FCD400-15)
Valve Stem	Stainless Steel(304SS)
Valve Core	Stainless Steel(304SS)+Ductile Iron(FCD400-15)
Handwheel	Aluminum
O-ring	Rubber(EPDM)
Test Plugs	Stainless Steel(304SS)

*Design and materials are subject to change without notice.

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