

Differential Pressure Control Valve-Threaded

Fig. 8311

Standard

Connection: 1/2" ~ 3/4" meet BS 2779 / ISO228(ISO7)

1" ~ 2" meet BS 10266 / ISO228(ISO7)

ANSI B 1.20.1

Testing: EN12266-1

Technical data

Working Pressure: 16bar / 25bar

Dimensions: DN15~DN50

ΔP Range: 50 ~ 300 mbar

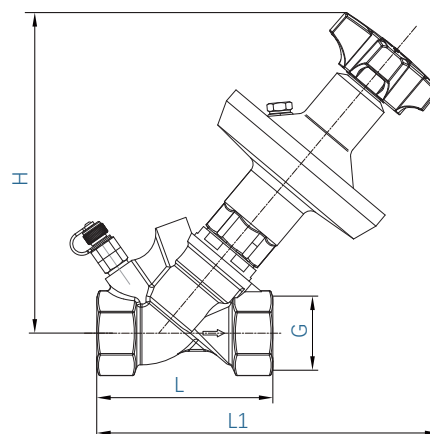
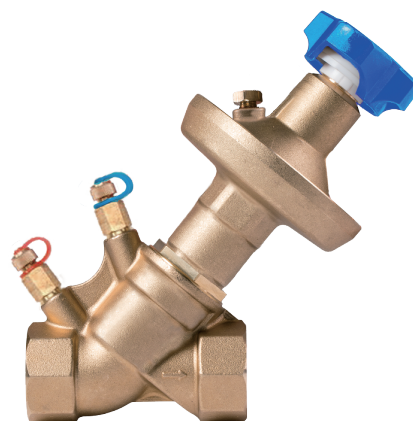
Max. ΔP : PV $\leq$ 2500 mbar

Temperature: - 10°C ~ 120°C

Material

Part	Material	Standard
Body	Brass	HPb59-1
Bonnet	Brass	HPb59-1
Seat	Brass	HPb59-1
Trim	Stainless Steel	BS970 304
Diaphragm	EPDM with Nylon reinforced	
Spring	Stainless Steel	BS970 304
Testing Valve	Brass	EN 12165 CW602N
Wheel	ABS	-

Schema



Dimensions

Size	mm	15	20	25	32	40	50
	inch	1/2	3/4	1	1-1/4	1-1/2	2
L		75	79	83/100	104	138	138
H		82	82	85/134	134	156	156
G		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
KVS (m³/h)		2.5	4.0	6.5	11.5	15.5	23.3

WARCO reserves the right to change dimensions without notice

Differential Pressure Control Valve-Flange

Fig. 8320

Standard

Connection: EN1092- 2 PN10 / PN16 / PN25
 ASME B16.1 CLASS 125 & CLASS150
 BS10 TABLE D & TABLE E
 Testing: EN12266-1

Technical data

Working Pressure: 16bar / 25bar
 Dimensions: DN40~DN250
 ΔP Range: 300 ~ 1000 mbar (DN40 ~ DN50)
 400 ~ 1600 mbar (DN65 ~ DN250)
 Max.ΔP: PV ≤ 3500 mbar
 Temperature: - 10°C ~ 120°C

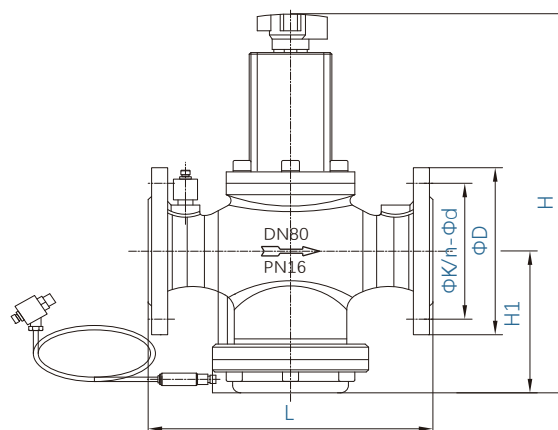
Material

Part	Material	Standard
Body	Ductile Iron	EN-JS 1040
Bonnet	Ductile Iron	EN-JS 1040
Seat	Stainless Steel	BS970 304
Trim	Stainless Steel	BS970 304
Diaphragm	EPDM with Nylon reinforced	
Spring	Stainless Steel	BS970 304
Testing Valve	Brass	EN 12165 CW602N
Wheel	ABS/Aluminum	-

Schema



DN40~DN150



Dimensions

Size	mm	DN40	DN50	DN65	DN80	DN100	DN125	DN150
	Inch	1-1/2	2	2-1/2	3	4	5	6
L		200	230	290	310	350	400	480
H1		127	142	157	170	198	235	268
H		354	381	423	497	580	680	784
n-Φd		4-19	4-19	4-19	8-19	8-19	8-19	8-23
ΦD		150	165	185	200	220	250	285
KVS (m³/h)		18	28	45	72	112	144	252

WARCO reserves the right to change dimensions without notice

Differential Pressure Control Valve-Flange

Fig. 8320

Standard

Connection: EN1092- 2 PN10 / PN16 / PN25
 ASME B16.1 CLASS 125 & CLASS150
 BS10 TABLE D & TABLE E
 Testing: EN12266-1

Technical data

Working Pressure: 16bar / 25bar
 Dimensions: DN300~DN500
 ΔP Range: 400 ~ 1600 mbar (DN300 ~ DN500)
 Flow Deviation: $\pm 5\%$
 Max. ΔP : PV $\leq$ 3500 mbar
 Temperature: -10°C ~ 120°C

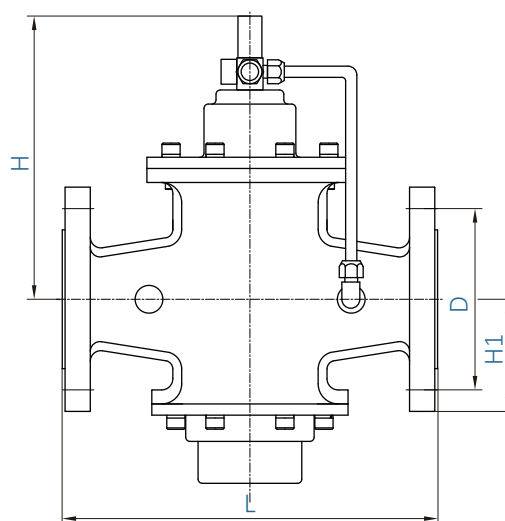
Material

Part	Material	Standard
Body	Ductile Iron	EN-JS 1040
Bonnet	Ductile Iron	EN-JS 1040
Seat	Stainless Steel	BS970 304
Trim	Stainless Steel	BS970 304
Diaphragm	EPDM with Nylon reinforced	
Spring	Stainless Steel	BS970 304
Testing Valve	Brass	HPb59-1
Adjustable component	Brass	EN 12165 CW617N

Schema



DN200- DN500



Dimensions

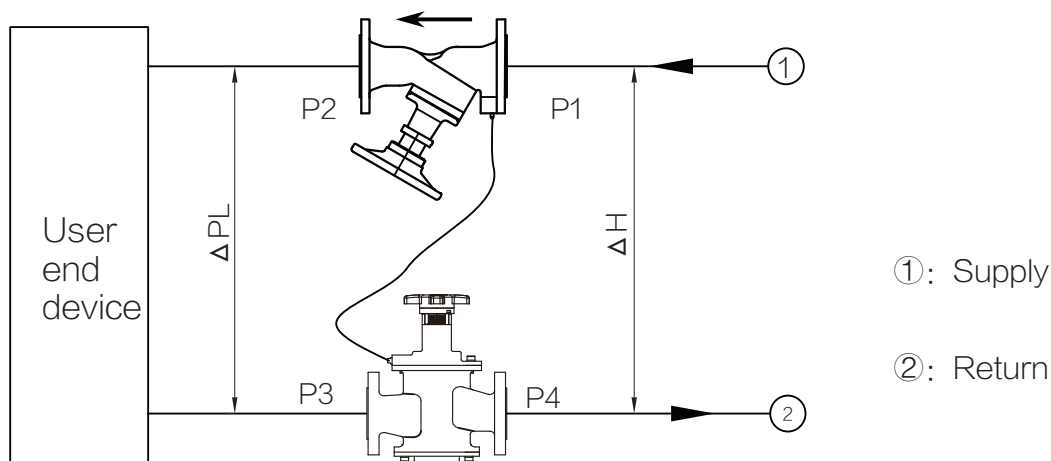
Size	mm	DN200	DN250	DN300	DN350	DN400	DN450	DN500
	Inch	12	12	12	14	16	18	20
L		600	730	705	760	785	785	910
H		385	420	920	940	1060	1060	1540
D		335	405	410	470	525	585	650
KVS (m³/h)		320	400	1300	1750	2250	2540	3065

WARCO reserves the right to change dimensions without notice

Differential Pressure Control Valve

Fig. 8311/8320

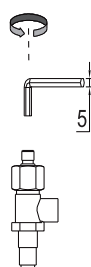
Installation instructions



Attentions:

DPCV usually installed in return pipe, please installing the valve in the right flow direction.

Setting instruction



- 1、Open the 3-way measuring valve.
- 2、Open the air release cock and turn it off after emptying the air.

