



Cert. No. LRQ 0963008

ISO 9001

DP143, DP143H, DP143G 파이로트식 감압밸브

● 타 입

DP143

DP143G

(, 가)

DP143H

● 구경 및 배관연결방법

DN 15LC, 15, 20, 25, 32, 40, 50, 80

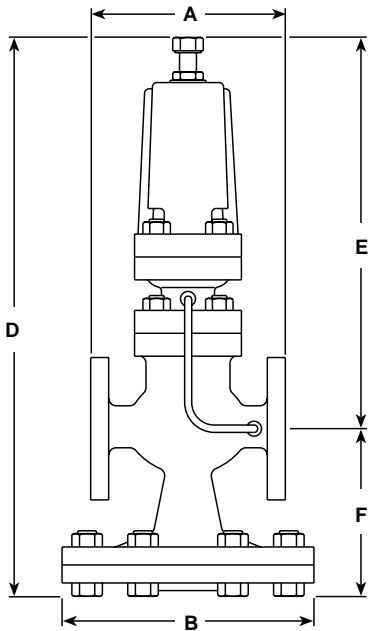
KS20, ANSI 300, 150, PN40

● Kvs 값

DN15LC	DN15	DN20	DN25	DN32	DN40	DN50	DN80
1.0	2.8	5.5	8.1	12.0	17.0	28.0	64.0

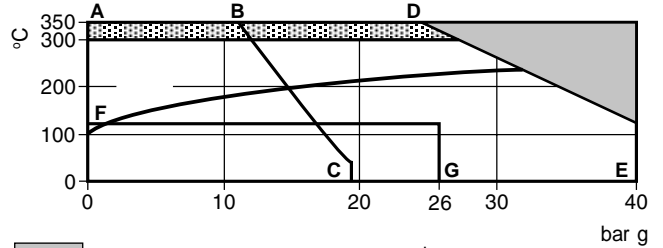
$C_v(UK) = K_v \times 0.97$ $C_v(US) = K_v \times 1.17$

● 치수(mm) 및 무게(kg)



주 : Kvs값은 밸브가 완전히 개방된 상태에서 통과하는 최대용량으로서 안전 밸브의 용량을 선정하는데 필요하다. 내부압력감지관을 사용하는 경우 밸브의 용량이 다소 감소할 수 있다.

● 운전조건범위



가



DP143H

A-D-E PN40, ANSI 300

A-B-C ANSI 150

F-G-E DP143G 120 , 26 bar g 가

2차측 압력조절범위

0.2 ~ 17 bar g

16 ~ 24 bar g

몸체설계조건	PN40
최대허용압력(PMA) @ 120°C	40 bar g
최대허용온도(TMA)	350 °C
최소허용온도	0 °C
포화증기의 최대운전압력(PMO)	26 bar g
최대운전온도(TMO)	DP143 300 °C
	DP143G 120 °C
	DP143H 350 °C
최대차압(ΔPMX)은 PMO까지 제한	0 °C
최대설계수압시험 압력	60 bar g
주 : 내부부품이 조립되어 있는 경우 시험압력은 40 bar g를 초과할 수 없다.	

● 설치방법

DP143

구경 DN	BS4504 PN 40 A	ANSI 300 A	ANSI 150 A	BS 10 J A	B	D	E	F	무게
15 LC	130	130	122	130	175	405	277	128	15
15	130	130	122	130	175	405	277	128	15
20	150	150	142	150	175	405	277	128	16
25	160	160	156	164	216	440	288	152	23
32	180	183	176	184	216	440	288	152	25
40	200	209	200	209	280	490	305	185	40
50	230	236	230	243	280	490	305	185	42
80	310	319	310	325	350	580	322	258	103

● 재 질

번호	부품명	재질	
1	Adjustment screw	Steel	BS 3692 Gr. 8.8
2	Adjustment lock-nut	Steel	BS 3692 Gr. 8
3	Washer	Stainless steel	BS 1449 304 S16
4	Spring housing	Cast steel	DIN 17245 GS C25
5	Top spring plate	Steel	BS 970 220 Mo7
6	Pressure adjustment spring	Stainless steel	BS 2056 302 S25
7	Bottom spring plate	Steel	BS 970 220 Mo7
8	Spring housing	Securing nuts	Steel BS 1506 621
		Securing studs	Steel BS 1506 621B M10 x 25 mm
9	Pilot diaphragm	Stainless steel	BS 1449 316 S31
10	Pilot valve housing	Steel	DIN 17245 GS C25
11	Pilot valve plunger	Stainless steel	BS 970 431 S29
12	Spring housing cover	Stainless steel	BS 1449 304 S12
13	Pilot valve and seat unit	Stainless steel	BS 970 431 S29 DP143G is stainless steel/nitrile
14	Internal strainer	Stainless steel	BS 1449 304 S16
15	Body gasket	Stainless steel reinforced exfoliated graphite	
16	Main valve return spring	Stainless steel	BS2056 302 S16
17	Main valve	Stainless steel	BS 970 431 S29 DP143G is stainless steel/nitrile
18	Main valve seat	Stainless steel	BS 970 431 S29 DP143G is stainless steel/nitrile
19	Pressure sensing pipe	Stainless steel	BS 3605 304 S14
20	Main valve body	Cast steel	DIN 172 45 GS C25
21	Pilot valve housing	Securing studs	Steel BS 1506 621
		Securing nuts	Steel BS 1506 621 B
		DN15 and DN20	M10 x 25 mm
		DN25 to DN50	M12 x 35 mm
		DN80	M12 x 35 mm
22	Main diaphragm chamber	Cast steel	DIN 17245 GS C25
23	Main diaphragm	Securing bolts	Steel BS 4882 Gr. 2H
		Securing nuts	Steel
		DN15 and DN20	M12 x 50 mm
		DN25 and DN32	M12 x 55 mm
		DN40 and DN50	M12 x 65 mm
		DN80	M12 x 75 mm
24	Main diaphragms	Stainless steel	BS 1449 316 S31
25	Main diaphragm plate	Stainless steel	BS 970 431 S29
26	Push rod	Stainless steel	BS 970 431 S29
27	Pipe assembly	Stainless steel	BS 3605 304 S14
28	Plug 1/8" BSP	Steel	
29	Pressure pipe union	Steel	
30	Lock-nut	Steel	BS 3692 Gr. 8
45	Body studs	Steel	BS 4439 Gr. B7
	Body nuts	Steel	BS 3692 Gr. 2H M 12 x 40 mm

