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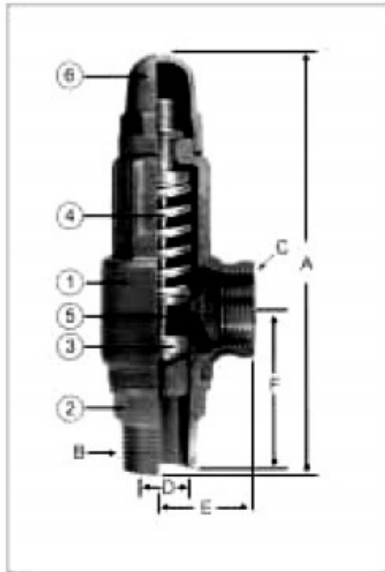
BRONZE SAFETY RELIEF VALVE

Sealing

A3W (Inlet threading)
1/2" – 2"

Lever

A3WL (Inlet threading)
1/2" – 2"



Temp : -45C – 185C		
Type	Size	Set Pressure
Without Level		1 - 40 Bar
A3W-04	1/2"	
A3W-06	3/4"	
A3W-10	1"	
A3W-12	1 1/4"	
A3W-15	1 1/2"	
A3W-20	2"	
With Level		1 - 40 Bar
A3WL-04	1/2"	
A3WL-06	3/4"	
A3WL-10	1"	
A3WL-12	1 1/4"	
A3WL-15	1 1/2"	
A3WL-20	2"	



Dimensions

Dimensions				Sealing		Unit : mm			Lever		Unit : mm	
Item Size	A	Inlet B	Outlet C	Valve seat orifice D	E	F	Lift	Wt. Kg	Item Size	A1	Wt. Kg	
1/2"	140	1/2"	1/2"	13	32	52	0.52	0.53	1/2"	162	0.6	
3/4"	150	3/4"	3/4"	19	36	58	0.76	0.68	3/4"	172	0.76	
1"	185	1"	1"	25	40	71	1.00	1.10	1"	204	1.25	
1-1/4"	208	1-1/4"	1-1/4"	32	52	83	1.28	1.87	1-1/4"	223	1.86	
1-1/2"	236	1-1/2"	1-1/2"	38	58	96	1.52	2.28	1-1/2"	252	2.31	
2"	265	2"	2"	50	65	103	2.00	3.91	2"	287	4.13	

General Material

NO	Type	A3W	A3WL
Parts Name		Sealing	Lever
1	Valve body	Cast bronze	Cast bronze
2	Valve seat	Forging brass	Forging brass
3	Disc	Forging brass	Forging brass
4	Spring	Steel	Steel
5	Stem	Brass	Brass
6	Cap	Forging brass	Cast bronze
Working pressure		1 - 40 Bar	
Working temp.		-45°C ~ 185°C	
Working fluid		Noncorrosive Gas 、 Noncorrosive Liquid 、 Steam	

*Varies setting working pressure is made to order within one day
if set spring ex-stock otherwise require 7-15 days lead time

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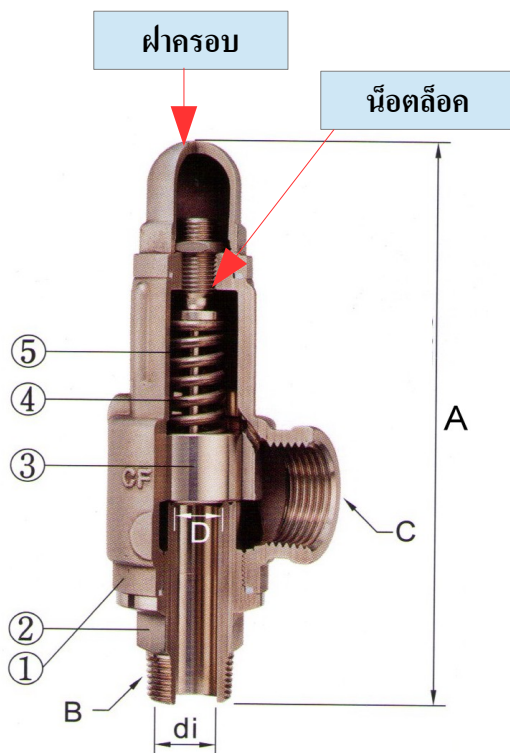
MAINTENANCE OF SAFETY VALVES

- (1) Visual Checking: carry out visual checking of equipment during operation
- (2) Check the valve body for corrosion or cracks.
- (3) Check changes of temperature under normal operation pressure.
- (4) Check if commence to blow pressure or blow out pressure are the same as Those valves on the name plate.
- (5) Check fixing sections for any leaking sound.
- (6) Check open/Close position of the main valve.
- (7) Check for any abnormal vibration.
- (8) Carry out periodical inspection every six months.

INSTALLATION AND INSTRUCTION

- (1) Install it in a place which allows an easy access for maintenance and checking.
- (2) Install it in a place or direction so as to avoid danger to workers.
- (3) Make the inner diameter larger than the inlet side bore of the safety valve.
- (4) Install it vertically against the ground.
- (5) Keep it clean at all times since foreign matters like dust or scale may prevent proper operation.
- (6) When installing a screwed -in type safety valve, be sure to adjust at the hexagonal section or chamfered section.

วิธีตั้งแรงดันเซฟตี้วาล์ว



1. คลายฝาครอบออก
2. ขันน็อตล็อกออกให้หลวม
3. ขันแกนตั้ง
 - 3.1 ขันเข้าตามเข็มนาฬิกาตั้งแรงดันสูงขึ้น
 - 3.2 ขันออกทวนเข็มนาฬิกาตั้งแรงดันต่ำลง
4. เมื่อตั้งเสร็จแล้วให้ขันน็อตล็อกให้แน่น

FLOW CHART

A3W / A3WL SERIES , FLUID : AIR

Unit : Kg/h						
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
D	13	19	25	32	38	50
Area	21.2	45.3	78.5	128.6	181.4	314.0
Pressure	Capacity (Kg/H)					
Kg/cm2	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
1	7	71	122	149	283	489
2	50	108	186	305	431	746
3	68	145	250	410	579	1002
4	85	182	315	515	727	1258
5	102	219	379	620	875	1515
6	120	256	443	725	1023	1771
7	137	293	507	830	1171	2027
8	154	330	571	935	1319	2284
9	172	367	635	1040	1467	2540
10	189	404	699	1145	1615	2796
11	206	441	763	1250	1763	3053
12	224	478	827	1355	1911	3309
13	241	515	891	1460	2059	3565
14	258	552	955	1565	2207	3822
15	276	589	1019	1670	2355	4078
16	293	626	1084	1775	2503	4334
17	310	663	1148	1880	2651	4590
18	328	700	1212	1985	2800	4847
19	345	737	1276	2090	2948	5103
20	362	774	1340	2195	3096	5359
21	380	811	1404	2300		
22	397	848	1468	2405		
23	414	885	1532	2510		
24	432	922	1596	2615		
25	449	959	1660	2720		
26	466	996	1724			
27	484	1033	1788			
28	501	1070	1852			
29	518	1107	1917			
30	536	1144	1981			

