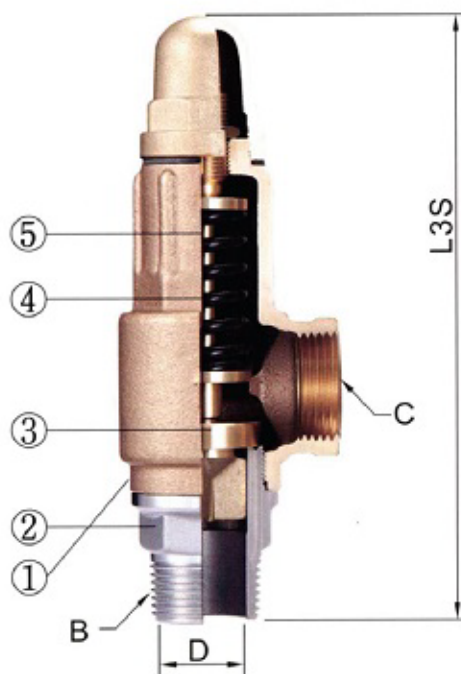


MODEL PREL

LWG M X F BRASS PRESSURE RELIEF VALVE

Dimensional Data (mm) are Subject to Manufacturing Tolerances and Change Without Notice



ENGINEERING SPECIFICATION - MODEL PREL

- Suitable for use with:
 - Air
 - Water
 - Steam
 - Non-Corrosive Gas
 - Non-Corrosive Liquids
- Use to relieve pressure once it reaches a set pressure limit

PRODUCT CODES

CODE	DESCRIPTION
PREL-12	15mm M x F Brass Pressure Relief Valve
PREL-20	20mm M x F Brass Pressure Relief Valve
PREL-25	25mm M x F Brass Pressure Relief Valve
PREL-32	32mm M x F Brass Pressure Relief Valve
PREL-40	40mm M x F Brass Pressure Relief Valve
PREL-50	50mm M x F Brass Pressure Relief Valve

**PLEASE NOTE: PRODUCT IS TO BE USED
ON NON POTABLE WATER APPLICATION**

PRODUCT INFORMATION

MODEL PREL FEATURES		
Max. Working Temperature	-45° to 185° Celsius	
Reduced Pressure Range	300kPa - 1000kPa	
Factory Preset	1000kPa	
#	MODEL PREL MATERIALS	
1	Main Valve Body	Cast Bronze
2	Valve Seat	Stainless Steel
3	Disc	Forging Brass
4	Spring	Steel or Stainless Steel
5	Stem	Brass

DIMENSIONS & WEIGHTS (DO NOT INCLUDE PKG.)

MODEL SIZE mm	DIMENSIONS						LIFT	WEIGHT kg
	HEIGHT L3S mm	INLET B mm	OUTLET C mm	VALVE SEAT ORIFICE D mm	E mm	F mm		
15	138	15	15	13	29	50	0.52	0.52
20	150	20	20	19	36	58	0.76	0.66
25	180	25	25	25	40	70	1.00	1.09
32	260	32	32	32	50	82	1.28	1.90
40	231	40	40	38	54	93	1.52	2.35
50	265	50	50	50	67	102	2.00	3.85

MODEL PREL

LWG M X F BRASS PRESSURE RELIEF VALVE

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AIR BLOWOUT CAP. OF LOW LIFT SAFETY VALVES

SIZE SET PRESSURE	AIR BLOWOUT CAP. (KG/H)					
	15	20	25	32	40	50
1 kgf/cm ²	30	64	110	180	254	440
2 kgf/cm ²	45	97	168	275	386	670
3 kgf/cm ²	61	130	225	369	519	900
4 kgf/cm ²	77	163	283	463	652	1131
5 kgf/cm ²	92	197	341	558	785	1361
6 kgf/cm ²	108	230	398	652	918	1592
7 kgf/cm ²	123	263	456	747	1050	1822
8 kgf/cm ²	139	296	513	841	1183	2052
9 kgf/cm ²	154	330	571	936	1316	2283
10 kgf/cm ²	170	363	629	1030	1449	2513
11 kgf/cm ²	186	396	686	1124	1582	2744
12 kgf/cm ²	201	430	744	1219	1714	2974
13 kgf/cm ²	217	463	802	1313	1847	3204
14 kgf/cm ²	232	496	859	1408	1980	3435
15 kgf/cm ²	248	529	917	1502	2113	3665
16 kgf/cm ²	263	563	974	1596	2246	3896
17 kgf/cm ²	279	596	1032	1691	2378	4126
18 kgf/cm ²	295	629	1090	1785	2511	4356
19 kgf/cm ²	310	662	1147	1880	2644	4587
20 kgf/cm ²	326	696	1205	1974	2777	4817

SIZE SET PRESSURE	STEAM BLOWOUT CAP. (KG/H)					
	15	20	25	32	40	50
1 kgf/cm ²	18.4	39.2	67.9	111.3	156.9	271.7
2 kgf/cm ²	27.7	59.1	102.4	167.7	236.6	409.5
3 kgf/cm ²	37.0	79.0	136.9	224.2	316.2	547.4
4 kgf/cm ²	46.3	98.9	171.3	280.7	395.8	685.2
5 kgf/cm ²	55.7	118.8	205.8	337.1	475.4	823.1
6 kgf/cm ²	65.0	138.7	240.2	393.6	555.0	960.9
7 kgf/cm ²	74.3	158.7	274.7	450.1	634.7	1099
8 kgf/cm ²	83.6	178.6	309.2	506.5	714.3	1237
9 kgf/cm ²	92.9	198.5	343.6	563.0	793.9	1374
10 kgf/cm ²	102.3	218.4	378.1	619.5	873.0	1512
11 kgf/cm ²	111.6	238.3	412.5	675.9	953.2	1650
12 kgf/cm ²	120.9	258.2	447.0	732.4	1033	1788
13 kgf/cm ²	130.2	278.1	481.5	788.8	1112	1926
14 kgf/cm ²	139.5	298.0	515.9	845.3	1192	2064
15 kgf/cm ²	148.9	317.9	550.4	901.8	1272	2202
16 kgf/cm ²	158.2	337.8	584.9	958.3	1351	2339
17 kgf/cm ²	167.5	357.7	619.3	1014.7	1431	2477
18 kgf/cm ²	176.8	377.6	653.8	1071.2	1511	2615
19 kgf/cm ²	186.1	397.5	688.2	1127.6	1590	2753
20 kgf/cm ²	195.4	417.4	722.7	1184.1	1670	2891

STEAM BLOWOUT CAP. OF LOW LIFT SAFETY VALVES