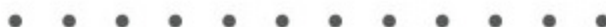


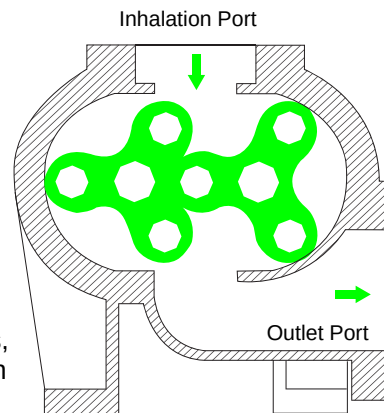
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Three-lobe Roots blower

Working Principle

The three-leaf Roots blower is a type of volumetric fan. Its pressure can be adjusted within the allowable range according to the requirements of the user. Two sets of impellers rotating in opposite directions are arranged inside the housing. Two sets of impellers rotate only with a very small gap remains both between the impellers and between impeller and housing. When the impeller passes through the suction end, a certain amount of air is captured between the impeller and the housing. As the impeller rotates, the air moves sideways, the pressure gradually rises and then is sent to the outlet end.



Unit conversion table

PRESSURE	atm	kPa	bar	lbt/in ² (psi)	kgf/cm ²	in Hg	ftAq	mmHg(Torr)	mmAq
1 atm	1	101.325	1.01325	14.696	1.0333	29.921	33.914	760	10333
1 kPa	0.0099	1	0.01	0.145	0.0102	0.295	0.335	7.5	102
1 bar	0.9869	100	1	14.504	1.0198	29.53	33.47	750	10198
1 lbt/in ² (psi)	0.068	6.894	0.0689	1	0.0703	2.036	2.308	51.71	703
1 kgf/cm ²	0.968	98.062	0.981	14.228	1	28.96	32.82	735.53	10000
1 inHg	0.0334	3.3863	0.0339	0.491	0.0345	1	1.133	25.4	345.3
1 ftAq	0.0295	2.99	0.0299	0.434	0.0305	0.882	1	22.42	304.8
1 mmHg(Torr)	0.013	0.1338	0.00138	0.019	0.0014	0.04	0.045	1	13.6
1 mmAq	0.000097	0.0098	0.000098	0.0014	0.0001	0.003	0.0033	0.074	1

Common pressure conversion formula

$$1 \text{ kPa} = 1000 \text{ Pa} = 1000 \text{ N/m}^2$$

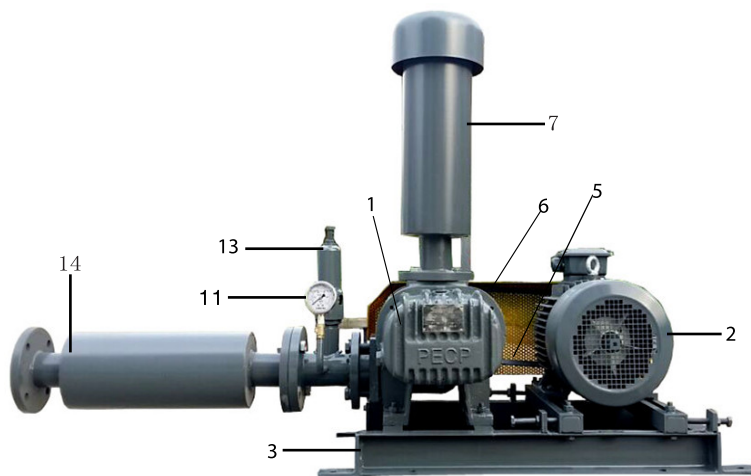
$$1 \text{ mbar} = 10.198 \text{ mmAq}$$

$$1 \text{ mmHg(Torr)} = 133.8 \text{ Pa}$$

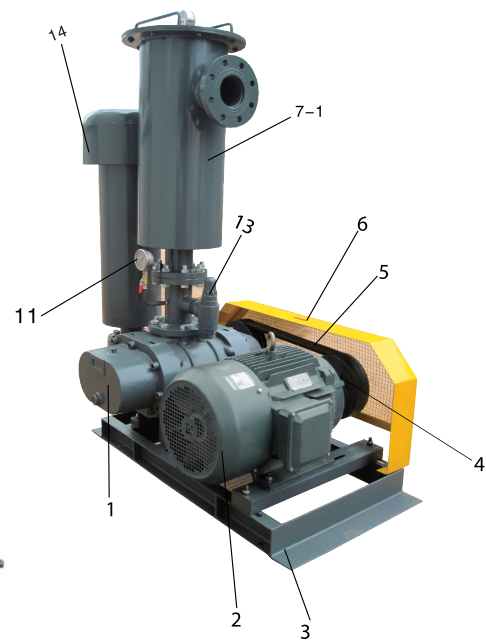
CAPACITY	m ³ /min	l/min	cm ³ /s	in ³ /s	ft ³ /min(cfm)
1 m ³ /min	1	1000	16667	1016	35.288
1 l/min	0.001	1	16.67	1.02	0.0353
1 cm ³ /s	0.00006	0.06	1	0.061	0.02
1 in ³ /s	0.00098	0.983	16.39	1	0.035
1 ft ³ /min(cfm)	0.028	28.32	471.95	28.8	1

Featutrs :

- Capacity, Pressure and Vacuum range;
Outlet: 40mm-300mm(1.5 "-12");
Capacity: 0.6-160m³/min(21-5700CFM);
Pressure: One-Stage GRB type 8000mmAq(0.8kgf/cm²).
- Delivers completely oil-free air.
- Low oscillation and low noise by complete balancing.
- Small change in capacity against change in pressure.
- High efficiency due to special profile.
- Simple structure, free from trouble.
- Highest quality pilot & Accurate great applied, long life and low noise assured.
Standardized product with strict quality control.
- Our rotor has used the most advanced-one time for all working process of the Four-



PRB Three-lobe Roots blower



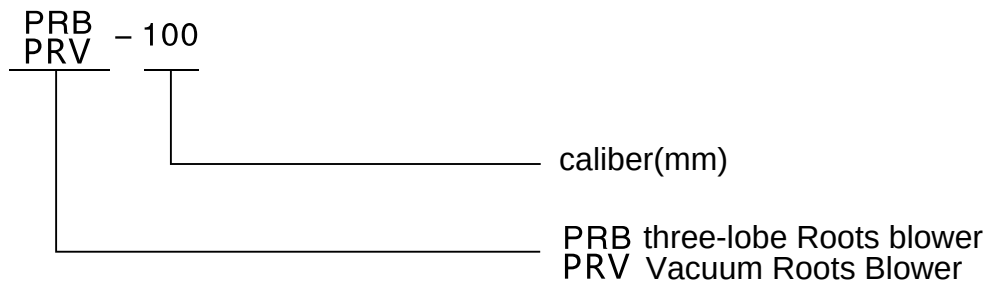
PRV Vacuum Roots blower

Configuration

NO.	Name
1	Three-lobe Roots blower
2	Motor
3	Base
4	Belt Pulley
5	Drive Belt
6	Belt Cover
7	Inlet Muffler
8	Rainproof Cover
9	Check Valve
7-1	Vacuum Filter
11	Spit out pressure gauge
12	Tee tube
13	Relief Valve
14	Outlet muffler

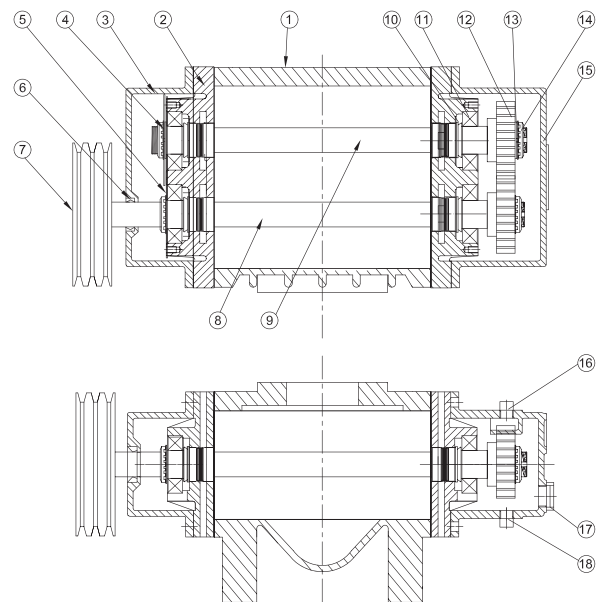
PS : Model PRB-40 is not equipped with outlet muffler.

Model Description



Structure Diagram

NO.	Name	Materials	
		GB	JIS
1	three-lobe Roots blower	HT250	FC250
2	Bearing seat	HT250	FC250
3	fuel tank	HT250	FC250
4	Oil slate	Q235	SS400
5	Bearing retainer	Q235	SS400
6	Skeleton seal	Viton	Viton
7	Pulley	HT250	FC250
8	Active impeller	Assembly	Assembly
9	Passive impeller	Assembly	Assembly
10	V type oil seal	Viton	Viton
11	Bearing	GCr15	SUJ2
12	Gear	20CrMnTi	20CrMnTi
13	Stop washer	Q235	SS400
14	Stop nut	45	S45C
15	Gearbox	HT250	FC250
16	Oil embolism	45	S45C
17	Lubricating surface meter	Assembly	Assembly
18	Drainage embolism	45	S45C



PS : The structure varies from different models.

Performance table instructions

- The performance parameters represent the type, diameter, revolution, discharge pressure, actual inlet air volume, and shaft power of the blower.
- The performance parameters are the amount of air in the standard suction state (temperature 20°C, absolute pressure 1.0332 kgf/cm², relative humidity 65%).
- The air volume in the reference state (temperature 0°C, absolute pressure 1.0332kgf/cm²) is generally expressed in Nm³/min.
- Conversion of imported air volume in different states : $Q_2 = Q_1 \times \frac{P_1}{P_2} \times \frac{273+T_2}{273+T_1}$
 Q_1 : Absolute pressure P_1 (mmAq) Celsius temperature T_1 (°C) air volume (m³/min)
 Q_2 : Absolute pressure P_2 (mmAq) Celsius temperature T_2 (°C) air volume (m³/min)
- Motor power is generally 1.1 to 1.3 times the shaft power.
- The error in performance parameters is about 5%.

PRB– Performance parameters

Qs(m³/min) Pressure(mmAq) La(kW)

型号 Type	转速 RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
PRB-32	1500	0.56	0.17	0.51	0.28	0.47	0.40	0.43	0.51	0.40	0.62	0.38	0.73	-	-	-	-
	1750	0.68	0.20	0.62	0.33	0.58	0.46	0.55	0.59	0.52	0.72	0.49	0.86	-	-	-	-
	2000	0.79	0.23	0.74	0.38	0.70	0.53	0.66	0.68	0.63	0.83	0.61	0.98	-	-	-	-
	2300	0.93	0.26	0.88	0.43	0.84	0.61	0.80	0.78	0.77	0.95	0.74	1.13	-	-	-	-
	2600	1.07	0.29	1.02	0.49	0.97	0.68	0.94	0.88	0.91	1.08	0.88	1.27	-	-	-	-
	3000	1.25	0.34	1.20	0.56	1.16	0.79	1.12	1.02	1.09	1.24	1.07	1.47	-	-	-	-
PRB-40	850	1.02	0.42	0.89	0.64	0.79	0.85	0.71	1.07	0.63	1.29	-	-	-	-	-	-
	950	1.18	0.47	1.05	0.71	0.95	0.95	0.86	1.20	0.79	1.44	-	-	-	-	-	-
	1050	1.33	0.52	1.20	0.79	1.10	1.06	1.02	1.32	0.94	1.59	-	-	-	-	-	-
	1150	1.49	0.57	1.36	0.86	1.26	1.16	1.18	1.45	1.10	1.74	-	-	-	-	-	-
	1250	1.65	0.62	1.52	0.94	1.42	1.26	1.33	1.58	1.26	1.90	1.19	2.22	1.13	2.54	1.07	2.86
	1350	1.80	0.67	1.67	1.01	1.57	1.36	1.49	1.70	1.42	2.05	1.35	2.39	1.29	2.74	1.23	3.08
	1450	1.96	0.71	1.83	1.09	1.73	1.46	1.65	1.83	1.57	2.20	1.50	2.57	1.44	2.94	1.39	3.31
	1550	2.12	0.76	1.99	1.16	1.89	1.56	1.80	1.95	1.73	2.35	1.66	2.75	1.60	3.15	1.54	3.54
	1650	2.27	0.81	2.14	1.24	2.04	1.66	1.96	2.08	1.89	2.50	1.82	2.93	1.76	3.35	1.70	3.77
	1750	2.43	0.86	2.30	1.31	2.20	1.76	2.12	2.21	2.04	2.65	1.98	3.10	1.91	3.55	1.86	4.00
	1850	2.59	0.91	2.46	1.39	2.36	1.86	2.27	2.33	2.20	2.81	2.13	3.28	2.07	3.75	2.01	4.23
	1950	2.74	0.96	2.61	1.46	2.51	1.96	2.43	2.46	2.36	2.96	2.29	3.46	2.23	3.96	2.17	4.46
PRB-50	850	1.81	0.61	1.64	0.97	1.52	1.34	1.41	1.70	1.31	2.06	1.22	2.42	1.14	2.79	1.07	3.15
	950	2.07	0.68	1.91	1.09	1.78	1.49	1.67	1.90	1.57	2.30	1.48	2.71	1.40	3.11	1.33	3.52
	1050	2.34	0.75	2.17	1.20	2.04	1.65	1.93	2.10	1.83	2.55	1.75	2.99	1.67	3.44	1.59	3.89
	1150	2.60	0.82	2.43	1.32	2.30	1.81	2.19	2.30	2.09	2.79	2.01	3.28	1.93	3.77	1.85	4.26
	1250	2.86	0.90	2.69	1.43	2.56	1.96	2.45	2.50	2.35	3.03	2.27	3.56	2.19	4.10	2.11	4.63
	1350	3.12	0.97	2.95	1.54	2.82	2.12	2.71	2.70	2.62	3.27	2.53	3.85	2.45	4.42	2.37	5.00
	1450	3.38	1.04	3.21	1.66	3.08	2.28	2.97	2.90	2.88	3.51	2.79	4.13	2.71	4.75	2.64	5.37
	1550	3.64	1.11	3.47	1.77	3.34	2.43	3.23	3.10	3.14	3.76	3.05	4.42	2.97	5.08	2.90	5.74
	1650	3.90	1.18	3.73	1.89	3.61	2.59	3.50	3.30	3.40	4.00	3.31	4.70	3.23	5.41	3.16	6.11
	1750	4.16	1.26	4.00	2.00	3.87	2.75	3.76	3.50	3.66	4.24	3.57	4.99	3.49	5.74	3.42	6.48
	1850	4.43	1.33	4.26	2.12	4.13	2.91	4.02	3.70	3.92	4.48	3.84	5.27	3.76	6.06	3.68	6.85
	1950	4.69	1.40	4.52	2.23	4.39	3.06	4.28	3.89	4.18	4.73	4.10	5.56	4.02	6.39	3.94	7.22
PRB-65	850	2.38	0.79	2.16	1.18	2.00	1.66	1.86	2.13	1.74	2.60	1.63	3.07	1.53	3.54	1.44	4.01
	950	2.71	0.88	2.50	1.32	2.34	1.85	2.20	2.38	2.08	2.91	1.97	3.43	1.87	3.96	1.78	4.49
	1050	3.05	0.97	2.84	1.46	2.68	2.05	2.54	2.63	2.42	3.21	2.31	3.79	2.21	4.38	2.12	4.96
	1150	3.39	1.06	3.18	1.60	3.02	2.24	2.88	2.88	2.76	3.52	2.65	4.15	2.55	4.79	2.46	5.43
	1250	3.73	1.16	3.52	1.74	3.36	2.44	3.22	3.13	3.10	3.82	2.99	4.52	2.89	5.21	2.80	5.90
	1350	4.07	1.25	3.86	1.88	3.70	2.63	3.56	3.38	3.44	4.13	3.33	4.88	3.23	5.63	3.14	6.38
	1450	4.41	1.34	4.20	2.02	4.04	2.83	3.90	3.63	3.78	4.43	3.67	5.24	3.57	6.04	3.48	6.85
	1550	4.75	1.43	4.54	2.16	4.38	3.02	4.24	3.88	4.12	4.74	4.01	5.60	3.91	6.46	3.82	7.32
	1650	5.09	1.53	4.88	2.30	4.72	3.22	4.58	4.13	4.46	5.05	4.35	5.96	4.25	6.88	4.16	7.79
	1750	5.43	1.62	5.22	2.44	5.06	3.41	4.92	4.38	4.80	5.35	4.69	6.32	4.59	7.29	4.50	8.26
	1850	5.77	1.71	5.56	2.58	5.40	3.61	5.26	4.63	5.14	5.66	5.03	6.68	4.93	7.71	4.84	8.74
	1950	6.11	1.80	5.90	2.72	5.74	3.80	5.60	4.88	5.48	5.96	5.37	7.05	5.27	8.13	5.18	9.21
PRB-80	800	4.11	1.30	3.83	2.09	3.62	2.87	3.44	3.65	3.28	4.44	3.13	5.22	3.00	6.00	2.87	6.78
	900	4.71	1.47	4.43	2.35	4.22	3.23	4.03	4.11	3.87	4.99	3.73	5.87	3.60	6.75	3.47	7.63
	1000	5.31	1.63	5.03	2.61	4.82	3.59	4.63	4.57	4.47	5.55	4.33	6.52	4.20	7.50	4.07	8.48
	1100	5.91	1.79	5.63	2.87	5.42	3.95	5.23	5.02	5.07	6.10	4.93	7.18	4.79	8.25	4.67	9.33

PRB– Performance parameters

Qs(m³/min) Pressure(mmAq) La(kW)

型号 Type	转速 RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
PRB-80	1200	6.51	1.96	6.23	3.13	6.01	4.31	5.83	5.48	5.67	6.65	5.53	7.83	5.39	9.00	5.27	10.18
	1300	7.11	2.12	6.83	3.39	6.61	4.66	6.43	5.94	6.27	7.21	6.13	8.48	5.99	9.75	5.87	11.03
	1400	7.71	2.28	7.43	3.65	7.21	5.02	7.03	6.39	6.87	7.76	6.73	9.13	6.59	10.50	6.47	11.87
	1500	8.31	2.45	8.03	3.91	7.81	5.38	7.63	6.85	7.47	8.32	7.32	9.79	7.19	11.25	7.07	12.72
	1600	8.91	2.61	8.63	4.18	8.41	5.74	8.23	7.31	8.07	8.87	7.92	10.44	7.79	12.00	7.67	13.57
	1650	9.21	2.69	8.93	4.31	8.71	5.92	8.53	7.54	8.37	9.15	8.22	10.76	8.09	12.38	7.97	13.99
	1750	9.81	2.85	9.53	4.57	9.31	6.28	9.13	7.99	8.97	9.70	8.82	11.42	8.69	13.13	8.57	14.84
	1850	10.41	3.02	10.12	4.83	9.91	6.64	9.73	8.45	9.57	10.26	9.42	12.07	9.29	13.88	9.16	15.69
	1950	11.00	3.18	10.72	5.09	10.51	7.00	10.33	8.91	10.17	10.81	10.02	12.72	9.89	14.63	9.76	16.54
PRB-100	800	5.78	1.98	5.39	3.07	5.09	4.17	4.84	5.26	4.62	6.36	4.42	7.46	4.24	8.55	4.07	9.65
	900	6.61	2.22	6.23	3.46	5.93	4.69	5.68	5.92	5.46	7.15	5.26	8.39	5.08	9.62	4.91	10.85
	1000	7.45	2.47	7.07	3.84	6.77	5.21	6.52	6.58	6.30	7.95	6.10	9.32	5.91	10.69	5.74	12.06
	1100	8.29	2.72	7.90	4.22	7.61	5.73	7.36	7.24	7.14	8.74	6.94	10.25	6.75	11.76	6.58	13.27
	1200	9.13	2.96	8.74	4.61	8.45	6.25	8.20	7.90	7.98	9.54	7.78	11.18	7.59	12.83	7.42	14.47
	1300	9.97	3.21	9.58	4.99	9.29	6.77	9.03	8.55	8.81	10.33	8.61	12.12	8.43	13.90	8.26	15.68
	1400	10.81	3.46	10.42	5.37	10.12	7.29	9.87	9.21	9.65	11.13	9.45	13.05	9.27	14.97	9.10	16.88
	1500	11.65	3.70	11.26	5.76	10.96	7.81	10.71	9.87	10.49	11.92	10.29	13.98	10.11	16.03	9.94	18.09
	1600	12.49	3.95	12.10	6.14	11.80	8.33	11.55	10.53	11.33	12.72	11.13	14.91	10.95	17.10	10.78	19.30
	1650	12.91	4.07	12.52	6.33	12.22	8.60	11.97	10.86	11.75	13.12	11.55	15.38	11.37	17.64	11.20	19.90
	1750	13.74	4.32	13.36	6.72	13.06	9.12	12.81	11.51	12.59	13.91	12.39	16.31	12.21	18.71	12.04	21.10
	1850	14.58	4.57	14.20	7.10	13.90	9.64	13.65	12.17	13.43	14.71	13.23	17.24	13.04	19.78	12.87	22.31
	1950	15.42	4.81	15.03	7.49	14.74	10.16	14.49	12.83	14.27	15.50	14.07	18.17	13.88	20.84	13.71	23.52
PRB-125A	780	8.59	2.61	8.17	4.18	7.85	5.74	7.58	7.31	7.34	8.88	7.13	10.44	6.93	12.01	6.75	13.58
	830	9.20	2.78	8.78	4.44	8.46	6.11	8.20	7.78	7.96	9.45	7.74	11.11	7.55	12.78	7.36	14.45
	880	9.82	2.95	9.40	4.71	9.08	6.48	8.81	8.25	8.57	10.01	8.36	11.78	8.16	13.55	7.98	15.32
	930	10.43	3.11	10.01	4.98	9.69	6.85	9.42	8.72	9.19	10.58	8.97	12.45	8.78	14.32	8.59	16.19
	990	11.17	3.31	10.75	5.30	10.43	7.29	10.16	9.28	9.93	11.27	9.71	13.25	9.51	15.24	9.33	17.23
	1050	11.91	3.51	11.49	5.62	11.17	7.73	10.90	9.84	10.66	11.95	10.45	14.06	10.25	16.17	10.07	18.28
	1110	12.64	3.72	12.23	5.94	11.91	8.17	11.64	10.40	11.40	12.63	11.19	14.86	10.99	17.09	10.81	19.32
	1180	13.50	3.95	13.09	6.32	12.77	8.69	12.50	11.06	12.26	13.43	12.05	15.80	11.85	18.17	11.67	20.54
	1250	14.36	4.18	13.95	6.69	13.63	9.20	13.36	11.71	13.12	14.23	12.91	16.74	12.71	19.25	12.53	21.76
	1320	15.23	4.42	14.81	7.07	14.49	9.72	14.22	12.37	13.98	15.02	13.77	17.67	13.57	20.32	13.39	22.97
	1390	16.09	4.65	15.67	7.44	15.35	10.24	15.08	13.03	14.84	15.82	14.63	18.61	14.43	21.40	14.25	24.19
	1470	17.07	4.92	16.65	7.87	16.33	10.82	16.06	13.78	15.83	16.73	15.61	19.68	15.42	22.63	15.23	25.59
	1560	18.18	5.22	17.76	8.35	17.44	11.49	17.17	14.62	16.93	17.75	16.72	20.89	16.52	24.02	16.34	27.15
	1650	19.28	5.52	18.87	8.84	18.55	12.15	18.28	15.46	18.04	18.78	17.83	22.09	17.63	25.40	17.44	28.72
	1750	20.51	5.86	20.10	9.37	19.78	12.89	19.51	16.40	19.27	19.92	19.06	23.43	18.86	26.94	18.67	30.46
	1850	21.74	6.19	21.33	9.91	21.01	13.62	20.74	17.34	20.50	21.05	20.28	24.77	20.09	28.48	19.90	32.20
PRB-125	780	12.64	3.82	12.08	6.11	11.64	8.39	11.27	10.68	10.95	12.97	10.66	15.26	10.39	17.55	10.14	19.84
	830	13.54	4.06	12.97	6.50	12.54	8.93	12.17	11.37	11.85	13.81	11.55	16.24	11.28	18.68	11.03	21.11
	880	14.44	4.30	13.87	6.89	13.44	9.47	13.07	12.05	12.75	14.64	12.45	17.22	12.18	19.80	11.93	22.39
	930	15.34	4.55	14.77	7.28	14.34	10.01	13.97	12.74	13.64	15.47	13.35	18.20	13.08	20.93	12.83	23.66
	990	16.42	4.84	15.85	7.75	15.41	10.65	15.05	13.56	14.72	16.47	14.43	19.37	14.16	22.28	13.91	25.18
	1050	17.50	5.14	16.93	8.22	16.49	11.30	16.12	14.38	15.80	17.46	15.51	20.55	15.24	23.63	14.99	26.71
	1110	18.57	5.43	18.01	8.69	17.57	11.95	17.20	15.20	16.88	18.46	16.59	21.72	16.32	24.98	16.07	28.24
	1180	19.83	5.77	19.26	9.24	18.83	12.70	18.46	16.16	18.14	19.63	17.84	23.09	17.57	26.55	17.32	30.02

PRB—Performance parameters

Qs(m³/min) Pressure(mmAq) La(kW)

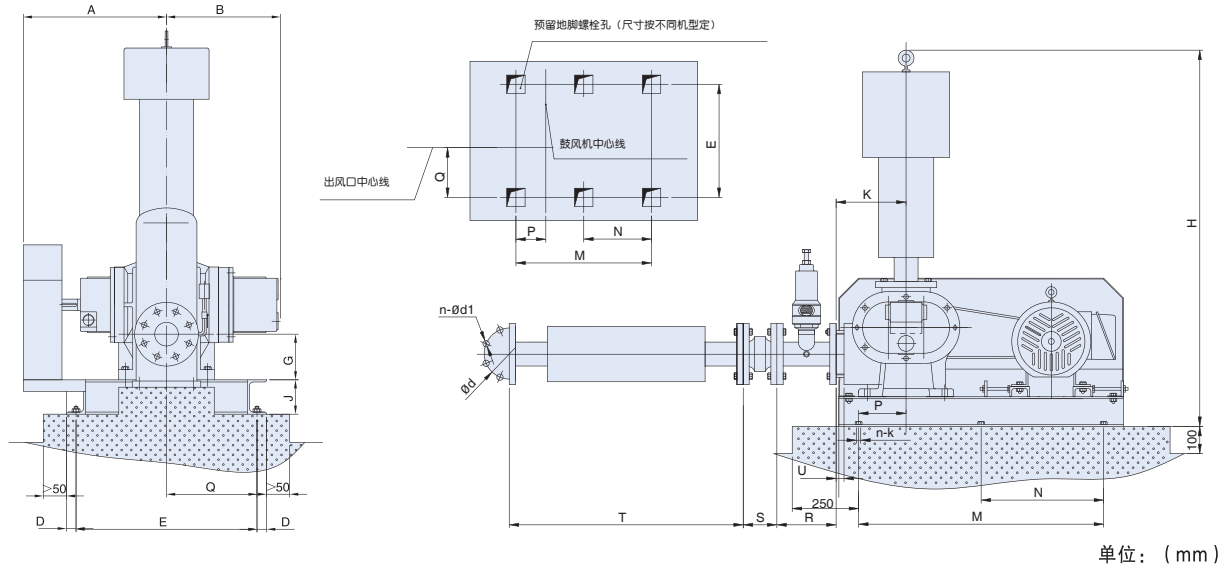
型号 Type	转速 RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
PRB-125	1250	21.09	6.11	20.52	9.78	20.09	13.45	19.72	17.12	19.39	20.79	19.10	24.46	18.83	28.13	18.58	31.80
	1320	22.35	6.46	21.78	10.33	21.34	14.21	20.98	18.08	20.65	21.96	20.36	25.83	20.09	29.70	19.84	33.58
	1390	23.61	6.80	23.04	10.88	22.60	14.96	22.23	19.04	21.91	23.12	21.62	27.20	21.35	31.28	21.10	35.36
	1470	25.04	7.19	24.48	11.51	24.04	15.82	23.67	20.14	23.35	24.45	23.06	28.76	22.79	33.08	22.53	37.39
	1560	26.66	7.63	26.09	12.21	25.66	16.79	25.29	21.37	24.97	25.95	24.67	30.53	24.40	35.10	24.15	39.68
	1650	28.28	8.07	27.71	12.91	27.27	17.76	26.91	22.60	26.58	27.44	26.29	32.29	26.02	37.13	25.77	41.97
	1750	30.08	8.56	29.51	13.70	29.07	18.83	28.70	23.97	28.38	29.11	28.09	34.24	27.82	39.38	27.57	44.52
	1850	31.87	9.05	31.30	14.48	30.87	19.91	30.50	25.34	30.18	30.77	29.88	36.20	29.61	41.63	29.36	47.06
PRB-150	780	16.35	4.92	15.64	7.87	15.09	10.82	14.62	13.78	14.22	16.73	13.85	19.68	13.51	22.63	13.20	25.59
	830	17.51	5.24	16.79	8.38	16.25	11.52	15.78	14.66	15.38	17.80	15.01	20.94	14.67	24.08	14.35	27.23
	880	18.67	5.55	17.95	8.88	17.40	12.21	16.94	15.54	16.53	18.87	16.17	22.20	15.83	25.53	15.51	28.87
	930	19.83	5.87	19.11	9.39	18.56	12.91	18.10	16.43	17.69	19.95	17.33	23.47	16.99	26.99	16.67	30.51
	990	21.22	6.24	20.50	9.99	19.95	13.74	19.49	17.49	19.08	21.23	18.72	24.98	18.38	28.73	18.06	32.47
	1050	22.61	6.62	21.89	10.60	21.34	14.57	20.88	18.55	20.47	22.52	20.11	26.49	19.77	30.47	19.45	34.44
	1110	24.00	7.00	23.28	11.20	22.73	15.40	22.27	19.61	21.86	23.81	21.50	28.01	21.16	32.21	20.84	36.41
	1180	25.62	7.44	24.90	11.91	24.36	16.38	23.89	20.84	23.49	25.31	23.12	29.77	22.78	34.24	22.46	38.71
	1250	27.24	7.89	26.53	12.62	25.98	17.35	25.52	22.08	25.11	26.81	24.74	31.54	24.40	36.27	24.09	41.00
	1320	28.86	8.33	28.15	13.32	27.60	18.32	27.14	23.31	26.73	28.31	26.36	33.31	26.02	38.30	25.71	43.30
	1390	30.48	8.77	29.77	14.03	29.22	19.29	28.76	24.55	28.35	29.81	27.98	35.07	27.65	40.33	27.33	45.59
	1470	32.34	9.27	31.62	14.84	31.08	20.40	30.61	25.96	30.21	31.53	29.84	37.09	29.50	42.65	29.18	48.22
	1560	34.42	9.84	33.71	15.74	33.16	21.65	32.70	27.55	32.29	33.46	31.92	39.36	31.59	45.27	31.27	51.17
	1650	36.51	10.41	35.80	16.65	35.25	22.90	34.78	29.14	34.38	35.39	34.01	41.63	33.67	47.88	33.36	54.12
	1750	38.83	11.04	38.11	17.66	37.56	24.29	37.10	30.91	36.69	37.53	36.33	44.16	35.99	50.78	35.67	57.40
	1850	41.14	11.67	40.43	18.67	39.88	25.67	39.42	32.68	39.01	39.68	38.64	46.68	38.31	53.68	37.99	60.68
PRB-200A	830	28.66	8.40	27.75	13.44	27.06	18.48	26.47	23.51	25.96	28.55	25.49	33.59	25.06	38.63	24.66	43.67
	880	30.52	8.90	29.61	14.25	28.92	19.59	28.33	24.93	27.81	30.27	27.35	35.62	26.92	40.96	26.52	46.30
	930	32.38	9.41	31.47	15.06	30.78	20.70	30.19	26.35	29.67	31.99	29.21	37.64	28.78	43.29	28.38	48.93
	990	34.61	10.02	33.70	16.03	33.01	22.04	32.42	28.05	31.90	34.06	31.44	40.07	31.01	46.08	30.61	52.09
	1050	36.84	10.62	35.93	17.00	35.24	23.37	34.65	29.75	34.13	36.12	33.67	42.50	33.24	48.87	32.84	55.25
	1110	39.07	11.23	38.16	17.97	37.47	24.71	36.88	31.45	36.36	38.19	35.90	44.92	35.47	51.66	35.07	58.40
	1180	41.67	11.94	40.76	19.10	40.07	26.27	39.48	33.43	38.96	40.59	38.50	47.76	38.07	54.92	37.67	62.08
	1250	44.27	12.65	43.37	20.24	42.67	27.82	42.08	35.41	41.57	43.00	41.10	50.59	40.67	58.18	40.27	65.77
	1320	46.87	13.36	45.97	21.37	45.27	29.38	44.69	37.40	44.17	45.41	43.70	53.42	43.27	61.44	42.87	69.45
	1390	49.48	14.06	48.57	22.50	47.87	30.94	47.29	39.38	46.77	47.82	46.30	56.26	45.87	64.70	45.47	73.13
	1470	52.45	14.87	51.54	23.80	50.85	32.72	50.26	41.65	49.74	50.57	49.28	59.49	48.85	68.42	48.45	77.34
PRB-200	880	39.61	11.45	38.59	18.32	37.81	25.19	37.16	32.05	36.58	38.92	36.06	45.79	35.58	52.66	35.13	59.53
	930	42.00	12.10	40.98	19.36	40.20	26.62	39.55	33.88	38.97	41.13	38.45	48.39	37.97	55.65	37.52	62.91
	990	44.86	12.88	43.85	20.61	43.07	28.33	42.41	36.06	41.84	43.79	41.31	51.52	40.83	59.24	40.39	66.97
	1050	47.73	13.66	46.72	21.86	45.94	30.05	45.28	38.25	44.70	46.44	44.18	54.64	43.70	62.83	43.25	71.03
	1110	50.60	14.44	49.58	23.10	48.81	31.77	48.15	40.43	47.57	49.10	47.05	57.76	46.57	66.42	46.12	75.09
	1180	53.94	15.35	52.93	24.56	52.15	33.77	51.49	42.98	50.92	52.19	50.39	61.40	49.91	70.61	49.47	79.82
	1250	57.29	16.26	56.27	26.02	55.50	35.77	54.84	45.53	54.26	55.29	53.74	65.05	53.26	74.80	52.81	84.56
	1320	60.63	17.17	59.62	27.48	58.84	37.78	58.18	48.08	57.61	58.38	57.08	68.69	56.60	78.99	56.16	89.29
	1390	63.98	18.08	62.96	28.93	62.19	39.78	61.53	50.63	60.95	61.48	60.43	72.33	59.95	83.18	59.50	94.03
	1470	67.80	19.12	66.79	30.60	66.01	42.07	65.35	53.55	64.78	65.02	64.25	76.49	63.77	87.97	63.33	99.44

PRB– Performance parameters

Qs(m³/min) Pressure(mmAq) La(kW)

型号 Type	转速 RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
PRB-250	830	50.02	14.40	48.83	23.03	47.92	31.67	47.15	40.31	46.48	48.95	45.87	57.59	45.30	66.22	44.78	74.86
	880	53.21	15.26	52.02	24.42	51.11	33.58	50.34	42.74	49.66	51.90	49.05	61.06	48.49	70.21	47.97	79.37
	930	56.39	16.13	55.20	25.81	54.29	35.49	53.53	45.17	52.85	54.85	52.24	64.52	51.68	74.20	51.15	83.88
	990	60.21	17.17	59.03	27.48	58.12	37.78	57.35	48.08	56.67	58.38	56.06	68.69	55.50	78.99	54.97	89.29
	1050	64.04	18.21	62.85	29.14	61.94	40.07	61.17	51.00	60.50	61.92	59.88	72.85	59.32	83.78	58.80	94.71
	1110	67.86	19.25	66.67	30.81	65.76	42.36	64.99	53.91	64.32	65.46	63.71	77.01	63.14	88.57	62.62	100.12
	1180	72.32	20.47	71.13	32.75	70.22	45.03	69.46	57.31	68.78	69.59	68.17	81.87	67.60	94.15	67.08	106.43
	1250	76.78	21.68	75.59	34.69	74.68	47.70	73.92	60.71	73.24	73.72	72.63	86.73	72.06	99.74	71.54	112.75
	1320	81.24	22.90	80.05	36.63	79.14	50.37	78.38	64.11	77.70	77.85	77.09	91.58	76.53	105.32	76.00	119.06
	1390	85.70	24.11	84.51	38.58	83.60	53.04	82.84	67.51	82.16	81.97	81.55	96.44	80.99	110.91	80.46	125.37
	1470	90.80	25.50	89.61	40.80	88.70	56.10	87.93	71.39	87.26	86.69	86.65	101.99	86.08	117.29	85.56	132.59
PRB-300A	830	66.52	19.20	64.86	30.71	63.59	42.23	62.52	53.75	61.57	65.26	60.72	76.78	59.94	88.30	59.21	99.82
	880	70.76	20.35	69.11	32.56	67.84	44.77	66.77	56.99	65.82	69.20	64.97	81.41	64.18	93.62	63.45	105.83
	930	75.01	21.51	73.36	34.41	72.09	47.32	71.01	60.22	70.07	73.13	69.22	86.03	68.43	98.94	67.70	111.84
	990	80.11	22.90	78.45	36.63	77.18	50.37	76.11	64.11	75.17	77.85	74.31	91.58	73.53	105.32	72.80	119.06
	1050	85.21	24.28	83.55	38.85	82.28	53.42	81.21	67.99	80.27	82.56	79.41	97.13	78.63	111.70	77.90	126.27
	1110	90.30	25.67	88.65	41.07	87.38	56.48	86.31	71.88	85.36	87.28	84.51	102.68	83.72	118.09	82.99	133.49
	1180	96.25	27.29	94.60	43.66	93.32	60.04	92.25	76.41	91.31	92.79	90.46	109.16	89.67	125.53	88.94	141.91
	1250	102.20	28.91	100.54	46.25	99.27	63.60	98.20	80.95	97.26	98.29	96.40	115.64	95.62	132.98	94.89	150.33
	1320	108.15	30.53	106.49	48.84	105.22	67.16	104.15	85.48	103.20	103.79	102.35	122.11	101.57	140.43	100.84	158.75
	1390	114.09	32.15	112.44	51.43	111.17	70.72	110.09	90.01	109.15	109.30	108.30	128.59	107.51	147.88	106.78	167.16
	1470	120.89	34.00	119.23	54.40	117.96	74.79	116.89	95.19	115.95	115.59	115.09	135.99	114.31	156.39	113.58	176.78
PRB-300	800	101.28	29.11	98.93	46.58	97.12	64.05	95.60	81.52	94.26	98.99	93.05	116.46	91.94	133.92	90.90	151.39
	900	114.64	32.75	112.30	52.40	110.49	72.06	108.97	91.71	107.63	111.36	106.42	131.01	105.31	150.66	104.27	170.32
	1000	128.01	36.39	125.66	58.23	123.86	80.06	122.34	101.90	121.00	123.73	119.79	145.57	118.68	167.40	117.64	189.24
	1100	141.38	40.03	139.03	64.05	137.23	88.07	135.71	112.09	134.37	136.11	133.16	160.13	132.05	184.14	131.01	208.16
	1200	154.75	43.67	152.40	69.87	150.60	96.08	149.08	122.28	147.74	148.48	146.53	174.68	145.41	200.89	144.38	227.09
	1300	168.12	47.31	165.77	75.70	163.97	104.08	162.45	132.47	161.11	160.85	159.90	189.24	158.78	217.63	157.75	246.01
	1400	181.49	50.95	179.14	81.52	177.34	112.09	175.82	142.66	174.48	173.23	173.27	203.80	172.15	234.37	171.12	264.94
	1400	181.49	50.95	179.14	81.52	177.34	112.09	175.82	142.66	174.48	173.23	173.27	203.80	172.15	234.37	171.12	264.94
PRB-350	600	118.60	34.31	115.52	54.90	113.16	75.49	111.16	96.08	109.40	116.66	107.82	137.25	106.36	157.84	105.00	178.43
	700	139.61	40.03	136.53	64.05	134.16	88.07	132.17	112.09	130.41	136.11	128.82	160.13	127.36	184.14	126.00	208.16
	800	160.62	45.75	157.54	73.20	155.17	100.65	153.18	128.10	151.42	155.55	149.83	183.00	148.37	210.45	147.01	237.90
	900	181.63	51.47	178.54	82.35	176.18	113.23	174.19	144.11	172.43	174.99	170.84	205.88	169.38	236.76	168.02	267.64
	1000	202.64	57.19	199.55	91.50	197.19	125.81	195.19	160.13	193.44	194.44	191.85	228.75	190.39	263.06	189.03	297.38
	1100	223.64	62.91	220.56	100.65	218.19	138.39	216.20	176.14	214.44	213.88	212.86	251.63	211.39	289.37	210.04	327.11
	1200	244.65	68.63	241.57	109.80	239.20	150.98	237.21	192.15	235.45	233.33	233.86	274.50	232.40	315.68	231.04	356.85
	1300	265.66	74.34	262.58	118.95	260.21	163.56	258.22	208.16	256.46	252.77	254.87	297.38	253.41	341.98	252.05	386.59
	1400	286.67	80.06	283.58	128.10	281.22	176.14	279.22	224.18	277.47	272.21	275.88	320.25	274.42	368.29	273.06	416.33
PRB-400	600	137.87	39.77	134.46	63.63	131.84	87.50	129.64	111.36	127.69	135.22	125.94	159.09	124.32	182.95	122.82	206.81
	700	162.22	46.40	158.81	74.24	156.19	102.08	153.99	129.92	152.04	157.76	150.29	185.60	148.67	213.44	147.17	241.28
	800	186.57	53.03	183.16	84.85	180.54	116.66	178.34	148.48	176.39	180.30	174.64	212.11	173.02	243.93	171.52	275.75
	900	210.92	59.66	207.51	95.45	204.89	131.25	202.69	167.04	200.74	202.83	198.99	238.63	197.37	274.42	195.87	310.22
	1000	235.27	66.29	231.86	106.06	229.24	145.83	227.04	185.60	225.09	225.37	223.34	265.14	221.72	304.92	220.22	344.69
	1100	259.62	72.91	256.21	116.66	253.59	160.41	251.39	204.16	249.44	247.91	247.69	291.66	246.07	335.41	244.57	379.16
	1200	283.97	79.54	280.56	127.27	277.94	174.99	275.74	222.72	273.79	270.45	272.04	318.17	270.42	365.90	268.92	413.62

PRB Dimensions (with horizontal outlet muffler)



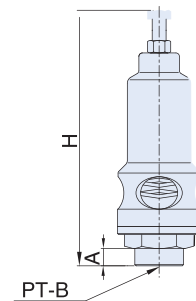
型号 Type	A	B	D	E	G	H	J	K	M	N	P	Q	R	S	T	U	d	n-d1	地脚螺栓 n-k
PRB-40	245	205	25	350	104	731	46	140	500	-	98	90	150	95	592	20	110	4- ϕ 18	4-M12 $\times$ 160
PRB-50	302	245	20	410	104	906	80	157	620	-	119	148	150	105	592	20	125	4- ϕ 18	
PRB-65	313	275	20	410	104	906	80	152	620	-	117	138	150	115	596	24	145	4- ϕ 18	
PRB-80	406	530	20	510	106.5	1241	80	180	670	-	112	160	180	135	796	24	160	8- ϕ 18	
PRB-100	442	350	20	560	106.5	1261	100	180	760	-	90	233	180	150	796	24	180	8- ϕ 18	4-M16 $\times$ 220
PRB-125A	440	370	52	455	134.5	1860	120	250	900	-	133	260	250	165	1260	25	210	8- ϕ 18	
PRB-125	500	430.5	24	556	157.5	1880	120	262	900	-	138	278	250	165	1264	25	210	8- ϕ 18	
PRB-150	536	484.5	24	556	163.5	188	120	251.5	900	-	138	212	250	180	1264	26	240	8- ϕ 22	
PRB-200A	529	460	30	798	198	285	160	358	1300	-	310	454	250	190	1644	28	295	8- ϕ 22	6-M20 $\times$ 300
PRB-200	570	510	30	940	195	285	160	345	1300	-	310	580	250	190	1644	28	295	8- ϕ 22	
PRB-250	695	585	30	940	215	2587	160	360	1400	-	270	490	250	230	1748	28	350	12- ϕ 22	
PRB-300A	830	723	35	940	255	2682	160	356	1500	-	248	470	300	250	1848	45	400	12- ϕ 22	
PRB-300	750	685	35	1030	300	3122	250	560	2000	-	321	532	300	250	1848	45	400	12- ϕ 22	

Boot bolt

单位: (mm)

地脚螺栓	A	H	E	G $\times$ G	适用型号
M12	160	36	224	100 $\times$ 100	PRB-40,50,65,30
M16	220	45	275	120 $\times$ 120	PRB-100,125A,125,150
M20	300	55	345	150 $\times$ 150	PRB-200A,200,250,300A,300

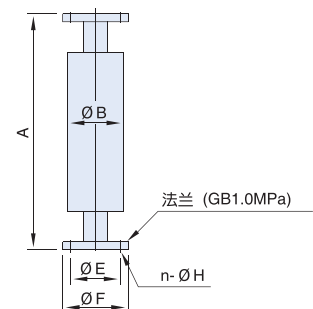
注: 1、图注E为最小尺寸, 根据安装的土壤情况, 应适当加深。
2、G $\times$ G为二次浇灌前的预留孔尺寸。



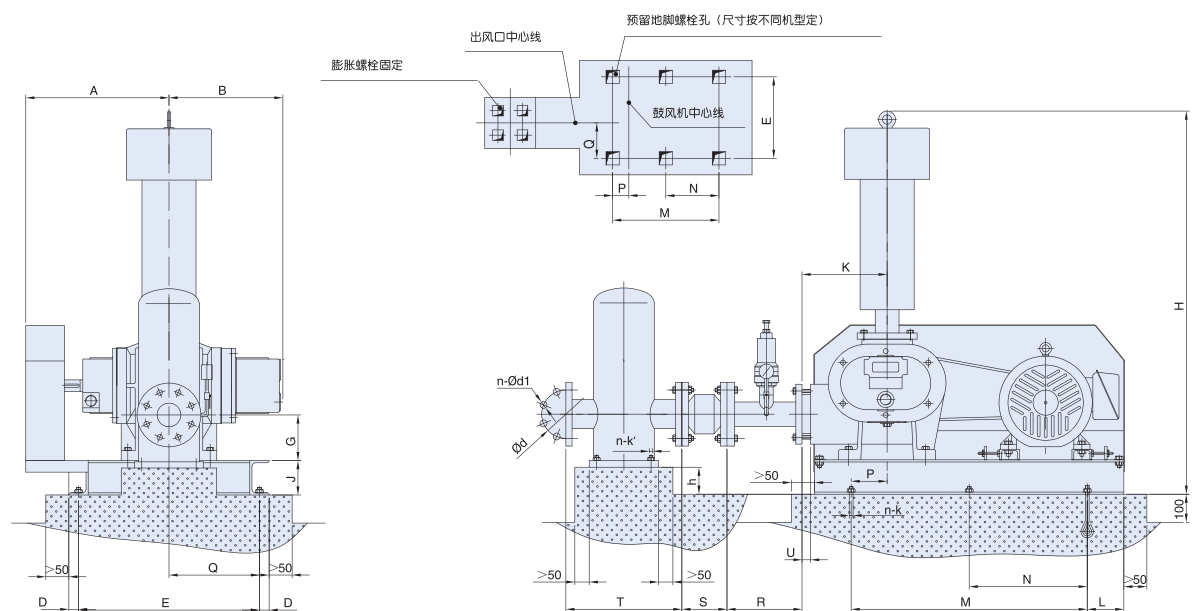
Horizontal outlet muffler

单位: (mm)

型号 Type	A	ϕ B	ϕ E	ϕ F	n- ϕ H	重量 Weight (kg)	适用型号 Application type
DS40	592	140	110	150	4- ϕ 18	12.2	PRB-40
DS50	592	140	125	165	4- ϕ 18	13.0	PRB-50
DS65	596	165	145	185	4- ϕ 18	16.8	PRB-65
DS80	796	218	160	200	8- ϕ 18	28.2	PRB-80
DS100	796	240	180	220	8- ϕ 18	33.3	PRB-100
DS125	1260	280	210	250	8- ϕ 18	45.1	PRB-125A,125
DS150	1264	300	240	285	8- ϕ 18	49.1	PRB-150
DS200	1644	400	295	340	8- ϕ 22	84.0	PRB-200A,200
DS250	1748	400	350	395	12- ϕ 22	97.0	PRB-250
DS300	1848	500	400	445	12- ϕ 22	135	PRB-300A,300



PRB Dimensions (with vertical outlet muffler)



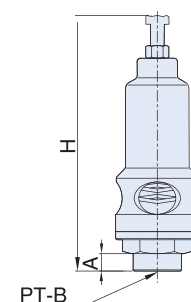
单位: (mm)

型号 Type	A	B	D	E	G	H	h	J	K	M	N	P	Q	R	S	T	U	Ød	n-Ød1	地脚螺栓 n-k	膨胀螺栓 n-k'
PRB-40	245	205	25	350	104	731	30	46	140	500	-	98	90	150	95	300	20	110	4-Ø18	4-M12x160	4-M12x120
PRB-50	302	245	20	410	104	906	64	80	157	620	-	119	148	150	105	300	20	125	4-Ø18		
PRB-65	313	275	20	410	104	906	54	80	152	620	-	117	138	150	115	350	24	145	4-Ø18		
PRB-80	406	300	20	510	106.5	1241	42	80	180	670	-	112	160	180	135	400	24	160	8-Ø18		
PRB-100	442	350	20	560	106.5	1261	60	100	180	760	-	90	233	180	150	450	24	180	8-Ø18	4-M16x220	4-M12x120
PRB-125A	440	370.5	24	561	134.5	1860	65	120	250	900	-	133	338	250	165	500	25	210	8-Ø18		
PRB-125	500	430.5	24	561	157.5	1855	88	120	262	900	-	138	278	250	165	500	25	210	8-Ø18		
PRB-150	536	484.5	24	561	163.5	1880	73	120	251	900	-	138	212	250	180	600	26	240	8-Ø22		
PRB-200A	529	460	30	901	182	2851	92	160	358	1300	650	313	454	250	190	672	28	295	8-Ø22	6-M20x300	4-M12x120
PRB-200	570	510	30	940	195	2285	98	160	345	1300	650	310	580	250	190	672	28	295	8-Ø22		
PRB-250	695	585	30	940	215	2520	76	160	360	1400	700	270	490	250	230	750	28	350	12-Ø22		
PRB-300A	830	723	30	940	255	2660	200	160	356	1500	750	248	470	300	250	820	45	400	12-Ø22		
PRB-300	750	685	30	1030	300	3085	200	250	560	2000	1000	321	532	300	250	820	45	400	12-Ø22		

Relief Valve

单位: (mm)

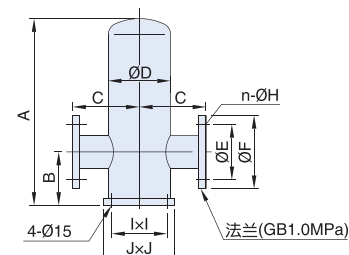
型号 Type	A	H	适用机型 Application type	重量 Weight (kg)
SV1 1/4"	25	150	PRB-40,50,65,80	1.6
SV2"	25	180	PRB-100,125A,125	2.5
SV3"	30	250	PRB-150,200A,200	5.0
SV4"	25	316	PRB-250,300A,300	8.5



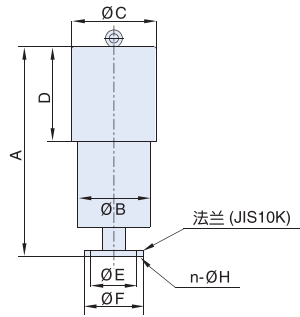
Vertical outlet muffler

单位: (mm)

型号 Type	A	B	C	ØD	ØE	ØF	n-ØH	I	J	重量 Weight (kg)	适用型号 Application type
VDS40	420	120	150	140	110	125	4-Ø18	125	160	18.2	PRB-40
VDS50	420	120	150	140	125	165	4-Ø18	125	160	19.0	PRB-50
VDS65	480	130	175	191	145	185	4-Ø18	170	210	27.0	PRB-65
VDS80	595	145	200	216	160	200	8-Ø18	190	235	37.0	PRB-80
VDS100	660	155	225	267	180	220	8-Ø18	230	280	51.9	PRB-100
VDS125	800	190	250	280	210	250	8-Ø18	240	300	65.9	PRB-125A,125
VDS150	920	210	300	356	240	285	8-Ø18	290	376	99.8	PRB-150
VDS200	1050	256	325	406	295	340	8-Ø22	350	425	131.5	PRB-200A,200
VDS250	1200	300	375	480	350	395	12-Ø22	400	500	184.5	PRB-250
VDS300	1300	350	410	520	400	445	12-Ø22	450	550	243.0	PRB-300A,300



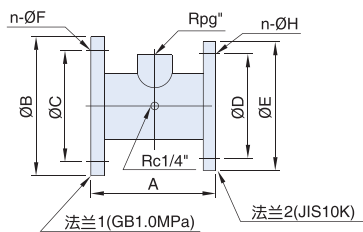
Inlet Muffler



单位: (mm)

型号 Type	A	ØB	ØC	D	ØE	ØF	n-ØH	重量 Weight (kg)	适用型号 Application type
SS40	400	140	160	220	105	130	4-Ø15	7.0	PRB-40
SS50	550	140	160	270	120	155	4-Ø18	11.0	PRB-50
SS65	550	165	180	270	140	175	4-Ø18	14.7	PRB-65
SS80	820	210	230	440	150	185	8-Ø18	25.4	PRB-80
SS100	820	240	275	440	175	210	8-Ø18	28.0	PRB-100
SS125	1310	280	315	690	210	250	8-Ø22	42.0	PRB-125A,125
SS150	1310	300	345	690	240	250	8-Ø22	45.2	PRB-150
SS200	1500	400	460	800	290	330	12-Ø22	67.8	PRB-200A,200
SS250	1700	400	480	809	355	400	12-Ø22	81.0	PRB-250
SS300	1825	500	600	940	400	445	16-Ø22	108.0	PRB-300A,300

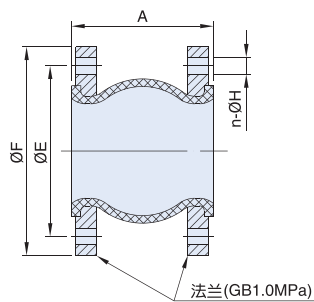
Tee tube



单位: (mm)

型号 Type	A	ØB	ØC	n-ØF	ØD	ØE	n-ØH	g	重量 Weight (kg)	适用型号 Application type
HJ40	150	150	110	4-Ø18	120	155	4-Ø18	1/4	7.0	PRB-40
HJ50	150	165	125	4-Ø18	120	155	4-Ø18	1/4	7.3	PRB-50
HJ65	150	185	145	4-Ø18	140	175	4-Ø18	1/4	9.0	PRB-65
HJ80	180	200	160	8-Ø18	150	185	8-Ø18	1/4	9.6	PRB-80
HJ100	180	220	180	8-Ø18	175	210	8-Ø18	2	10.7	PRB-100
HJ125	250	250	210	8-Ø18	210	250	8-Ø22	2	14.5	PRB-125A PRB-125
HJ150	250	285	240	8-Ø18	222	280	8-Ø22	2	20.8	PRB-125A PRB-125
HJ200	250	340	295	8-Ø22	290	330	12-Ø22	3	26.0	PRB-200A PRB-200
HJ250	250	395	350	12-Ø22	355	400	12-Ø22	3	35.0	PRB-250
HJ300	300	445	400	12-Ø22	400	445	16-Ø22	3	44.7	PRB-300A PRB-300

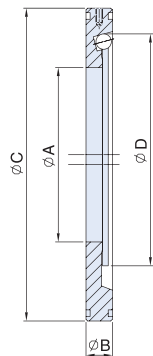
Flexible Connector



单位: (mm)

型号 Type	A	ØE	ØF	n-ØH	重量 Weight (kg)	适用型号 Application type
KXT40	95	110	150	4-Ø18	2.5	PRB-40
KXT50	105	125	165	4-Ø18	3.0	PRB-50
KXT65	115	145	185	4-Ø18	3.5	PRB-65
KXT80	135	160	200	8-Ø18	4.0	PRB-80
KXT100	150	180	220	8-Ø18	5.0	PRB-100
KXT125	165	210	250	8-Ø18	6.5	PRB-125A PRB-125
KXT150	180	240	285	8-Ø18	9.5	PRB-150
KXT200	190	295	340	8-Ø22	16.0	PRB-200A PRB-200
KXT250	230	350	395	12-Ø22	25.0	PRB-250
KXT300	250	400	445	12-Ø22	42.0	PRB-300A PRB-300

Check Valve



单位: (mm)

型号 Type	ØA	B	ØC	ØD	重量 Weight (kg)	适用型号 Application type
DCV-50	25	20	104	52.7	1.1	PRB-40 PRB-50
DCV-65	36	24	124	65.9	1.4	PRB-65
DCV-80	46	24	134	78.1	1.6	PRB-80
DCV-100	67	24	159	102.1	2.3	PRB-100
DCV-125	88	25	190	126.6	3.4	PRB-125A PRB-125
DCV-150	108	26	220	151	5.0	PRB-150
DCV-200	138	28	270	200	10.0	PRB-200A PRB-200
DCV-250	185	28	335	251	18.0	PRB-250
DCV-300	181	38	300	244	28.0	PRB-300A PRB-300

注: DCV-300型为双瓣式逆止阀, 结构略有不同

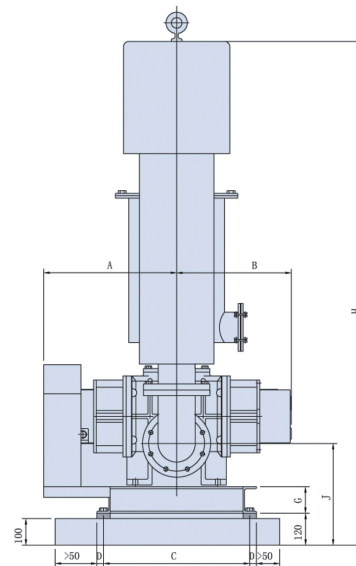
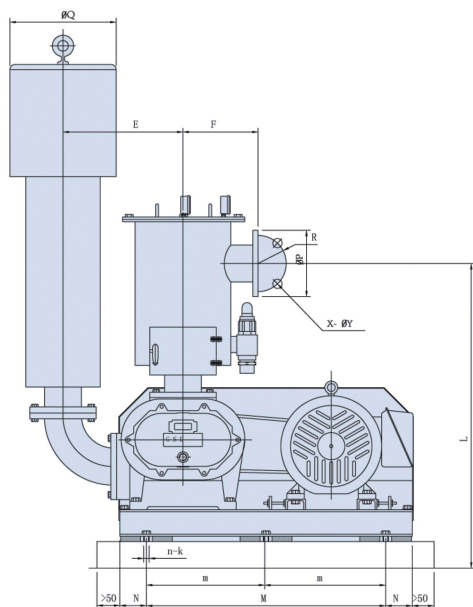
PRV– Performance parameters

Type	Speed	–1000mmAq			–2000mmAq			–3000mmAq			–4000mmAq			–5000mmAq			–6000mmAq		
		Qs	La	N	Qs	La	N	Qs	La	N	Qs	La	N	Qs	La	N	Qs	La	N
PRV-A0	1250	1.64	0.35	0.75	1.41	0.69	1.50	1.22	1.04	2.20	1.01	1.38	2.20						
	1350	1.80	0.37	1.5	1.56	0.75	1.50	1.36	1.12	2.20	1.15	1.49	2.20						
	1450	1.96	0.4	1.5	1.71	0.80	1.50	1.51	1.20	2.20	1.29	1.60	2.20	1.15	2.00	3.00	1.03	2.40	3.00
	1550	2.11	0.43	1.5	1.85	0.86	1.50	1.65	1.29	2.20	1.43	1.71	3.00	1.29	2.14	3.00	1.16	2.57	3.70
	1650	2.27	0.46	1.5	2.01	0.91	2.20	1.80	1.37	2.20	1.57	1.82	3.00	1.43	2.28	3.70	1.29	2.74	3.70
	1750	2.42	0.48	2.2	2.16	0.97	2.20	1.96	1.45	3.00	1.71	1.93	3.70	1.57	2.42	3.70	1.43	2.90	3.70
	1850	2.58	0.51	2.2	2.30	1.02	2.20	2.10	1.53	3.00	1.85	2.05	3.70	1.71	2.56	3.70	1.56	3.07	3.70
	1950	2.73	0.54	2.2	2.46	1.08	2.20	2.25	1.62	3.00	1.99	2.16	3.70	1.84	2.70	3.70	1.69	3.23	5.50
PRV-S0	1250	2.66	0.58	1.50	2.24	1.15	1.50	1.86	1.73	2.20	1.59	2.30	3.00	1.42	2.88	3.70	1.23	3.46	5.50
	1350	2.92	0.62	1.50	2.49	1.24	1.50	2.10	1.87	2.20	1.83	2.49	3.00	1.65	3.11	3.70	1.50	3.73	5.50
	1450	3.18	0.67	1.50	2.73	1.34	2.20	2.34	2.00	3.00	2.06	2.67	3.70	1.87	3.34	5.50	1.73	4.01	5.50
	1550	3.44	0.71	1.50	2.98	1.43	2.20	2.59	2.14	3.00	2.29	2.86	3.70	2.10	3.57	5.50	1.95	4.28	5.50
	1650	3.52	0.76	1.50	3.23	1.52	2.20	2.82	2.28	3.00	2.52	3.04	3.70	2.33	3.80	5.50	2.17	4.56	5.50
	1750	3.76	0.81	2.20	3.48	1.61	2.20	3.06	2.42	3.70	2.75	3.22	4.00	2.56	4.03	5.50	2.39	4.84	7.50
	1850	4.01	0.85	2.20	3.72	1.70	2.20	3.30	2.56	3.70	2.99	3.41	5.50	2.79	4.26	5.50	2.61	5.11	7.50
	1950	4.26	0.90	2.20	3.97	1.80	3.00	3.54	2.70	3.70	3.22	3.59	5.50	3.02	4.49	5.50	2.82	5.39	7.50
PRV-S5	1250	3.49	0.75	2.20	3.11	1.50	3.00	2.89	2.25	3.70	2.70	2.99	4.00	2.50	3.74	5.50	2.31	4.49	5.50
	1350	3.83	0.81	2.20	3.43	1.62	3.70	3.21	2.43	3.70	3.00	3.23	4.00	2.80	4.04	5.50	2.60	4.85	7.50
	1450	4.17	0.87	2.20	3.75	1.74	3.70	3.52	2.61	4.00	3.30	3.47	5.50	3.10	4.34	5.50	2.88	5.21	7.50
	1550	4.51	0.93	3.00	4.08	1.86	4.00	3.83	2.78	4.00	3.61	3.71	5.50	3.39	4.64	5.50	3.17	5.57	7.50
	1650	4.84	0.99	3.00	4.41	1.98	5.50	4.15	2.96	5.50	3.92	3.95	5.50	3.69	4.94	7.50	3.46	5.93	7.50
	1750	5.18	1.05	3.70	4.72	2.10	5.50	4.45	3.14	5.50	4.21	4.19	5.50	3.99	5.24	7.50	3.52	6.29	7.50
	1850	5.52	1.11	3.70	5.05	2.22	5.50	4.77	3.32	5.50	4.52	4.43	5.50	4.29	5.54	7.50	4.03	6.65	11.00
	1950	5.86	1.17	3.70	5.38	2.34	5.50	5.09	3.50	5.50	4.82	4.67	5.50	4.58	5.84	7.50	4.32	7.01	11.00
PRV-80	1200	6.22	1.28	2.20	5.57	2.55	3.00	5.08	3.83	5.50	4.49	5.10	7.50	4.10	6.38	7.50	3.71	7.65	11.00
	1300	6.82	1.38	2.20	6.14	2.76	3.70	5.63	4.15	5.50	5.03	5.53	7.50	4.63	6.91	11.00	4.22	8.29	11.00
	1400	7.42	1.49	2.20	6.72	2.98	3.70	6.18	4.46	5.50	5.57	5.95	7.50	5.16	7.44	11.00	4.73	8.93	11.00
	1500	8.02	1.59	2.20	7.30	3.19	4.00	6.74	4.78	7.50	6.11	6.38	7.50	5.68	7.97	11.00	5.24	9.57	11.00
	1600	8.62	1.70	2.20	7.87	3.40	5.50	7.30	5.10	7.50	6.64	6.80	11.00	6.20	8.50	11.00	5.75	10.21	15.00
	1650	8.92	1.75	2.20	8.16	3.51	5.50	7.58	5.26	7.50	6.91	7.02	11.00	6.47	8.77	11.00	6.00	10.52	15.00
	1750	9.51	1.86	2.20	8.74	3.72	5.50	8.14	5.58	7.50	7.45	7.44	11.00	7.00	9.30	11.00	6.51	11.16	15.00
	1850	10.11	1.97	3.00	9.31	3.93	5.50	8.70	5.90	7.50	7.99	7.87	11.00	7.52	9.83	15.00	7.02	11.80	15.00
PRV-100	1200	9.04	1.79	2.20	8.11	3.57	5.50	7.32	5.36	7.50	6.80	7.14	11.00	6.43	8.93	11.00	6.09	10.72	15.00
	1300	9.88	1.93	3.00	8.92	3.87	5.50	8.10	5.80	7.50	7.54	7.74	11.00	7.17	9.67	15.00	6.81	11.61	15.00
	1400	10.72	2.08	3.00	9.72	4.17	5.50	8.88	6.25	7.50	8.30	8.33	11.00	7.91	10.42	15.00	7.51	12.50	15.00
	1500	11.56	2.23	3.00	10.53	4.46	5.50	9.66	6.70	11.00	9.05	8.93	11.00	8.64	11.16	15.00	8.23	13.39	18.50
	1600	12.40	2.38	3.00	11.33	4.76	7.50	10.44	7.14	11.00	9.81	9.52	15.00	9.38	11.91	15.00	8.94	14.29	18.50
	1650	12.82	2.46	3.00	11.73	4.91	7.50	10.83	7.37	11.00	10.19	9.82	15.00	9.75	12.28	15.00	9.30	14.73	18.50
	1750	13.65	2.60	3.70	12.54	5.21	7.50	11.62	7.81	11.00	10.94	10.42	15.00	10.49	13.02	15.00	10.01	15.63	18.50
	1850	14.49	2.75	3.70	13.34	5.51	7.50	12.39	8.26	11.00	11.69	11.01	15.00	11.23	13.77	18.50	10.73	16.52	22.00
PRV-125A	1950	15.33	2.90	3.70	14.15	5.80	7.50	13.17	8.71	11.00	12.45	11.61	15.00	11.97	14.51	18.50	11.43	17.41	22.00
	1180	13.20	2.57	3.70	12.01	5.15	7.50	11.06	7.72	11.00	10.07	10.29	15.00	9.20	12.87	15.00	8.52	15.44	18.50
	1250	14.06	2.73	3.70	12.84	5.45	7.50	11.86	8.18	11.00	10.85	10.90	15.00	9.96	13.63	18.50	9.25	16.35	22.00
	1320	14.92	2.88	3.70	13.66	5.76	7.50	12.66	8.64	11.00	11.62	11.51	15.00	10.72	14.39	18.50	9.98	17.27	22.00
	1390	15.78	3.03	3.70	14.49	6.06	7.50	13.46	9.09	11.00	12.39	12.12	15.00	11.48	15.16	18.50	10.71	18.19	22.00
	1470	16.77	3.21	5.50	15.44	6.41	11.00	14.37	9.62	15.00	13.28	12.82	15.00	12.34	16.03	18.50	11.54	19.23	22.00

PRV– Performance parameters

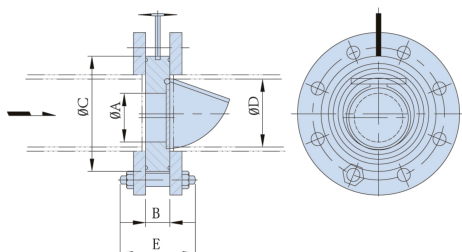
Type	Speed	–1000mmAq			–2000mmAq			–3000mmAq			–4000mmAq			–5000mmAq			–6000mmAq		
		Qs	La	N	Qs	La	N	Qs	La	N	Qs	La	N	Qs	La	N	Qs	La	N
PRV–125A	1560	17.87	3.40	5.50	16.49	6.80	11.00	15.40	10.21	15.00	14.27	13.61	18.50	13.31	17.01	22.00	12.49	20.41	30.00
	1650	18.98	3.60	5.50	17.56	7.20	11.00	16.42	10.79	15.00	15.26	14.39	18.50	14.28	17.99	22.00	13.42	21.59	30.00
	1750	20.20	3.82	5.50	18.74	7.63	11.00	17.57	11.45	15.00	16.37	15.26	18.50	15.36	19.08	22.00	14.47	22.90	30.00
	1850	21.43	4.03	5.50	19.91	8.07	11.00	18.71	12.10	15.00	17.48	16.14	18.50	16.45	20.17	30.00	15.51	24.21	30.00
PRV–125S	1180	18.92	3.76	5.50	17.05	7.52	11.00	15.78	11.28	15.00	14.51	15.04	18.50	13.81	18.80	22.00	12.80	22.56	30.00
	1250	20.17	3.98	5.50	18.25	7.97	11.00	16.95	11.95	15.00	15.63	15.94	18.50	14.91	19.92	22.00	13.86	23.90	30.00
	1320	21.43	4.21	5.50	19.46	8.41	11.00	18.13	12.62	15.00	16.77	16.83	22.00	16.02	21.04	30.00	14.93	25.24	30.00
	1390	22.69	4.43	5.50	20.67	8.86	11.00	19.29	13.29	18.50	17.90	17.72	22.00	17.12	22.15	30.00	16.01	26.58	30.00
	1470	24.12	4.69	7.50	22.04	9.37	15.00	20.63	14.06	18.50	19.19	18.74	22.00	18.38	23.43	30.00	17.22	28.11	37.00
	1560	25.74	4.97	7.50	23.60	9.94	15.00	22.12	14.92	18.50	20.65	19.89	30.00	19.81	24.86	30.00	18.60	29.83	37.00
	1650	27.35	5.26	7.50	25.14	10.52	15.00	23.63	15.78	18.50	22.10	21.04	30.00	21.23	26.29	30.00	19.98	31.55	37.00
	1750	29.15	5.58	7.50	26.87	11.15	15.00	25.30	16.73	22.00	23.72	22.31	30.00	22.81	27.89	37.00	21.50	33.46	37.00
	1850	30.94	5.90	7.50	28.59	11.79	15.00	26.97	17.69	22.00	25.33	23.58	30.00	24.38	29.48	37.00	23.03	35.38	45.00
PRV–150S	1180	24.30	4.85	7.50	21.84	9.70	15.00	20.42	14.55	18.50	19.11	19.40	30.00	18.28	24.25	30.00	17.04	29.10	37.00
	1250	25.92	5.14	7.50	23.40	10.27	15.00	21.93	15.41	18.50	20.57	20.55	30.00	19.70	25.69	30.00	18.42	30.82	37.00
	1320	27.54	5.42	7.50	24.95	10.85	15.00	23.44	16.27	22.00	22.03	21.70	30.00	21.13	27.12	37.00	19.80	32.55	37.00
	1390	29.16	5.71	7.50	26.51	11.42	15.00	24.94	17.14	22.00	23.49	22.85	30.00	22.55	28.56	37.00	21.17	34.27	45.00
	1470	31.02	6.04	7.50	28.28	12.08	15.00	26.67	18.12	22.00	25.16	24.17	30.00	24.18	30.21	37.00	22.75	36.25	45.00
	1560	33.10	6.41	11.00	30.29	12.82	15.00	28.61	19.23	22.00	27.03	25.64	30.00	26.01	32.06	37.00	24.52	38.47	45.00
	1650	35.18	6.78	11.00	32.28	13.56	18.50	30.54	20.34	30.00	28.90	27.12	37.00	27.85	33.91	45.00	26.29	40.69	45.00
	1750	37.50	7.19	11.00	34.51	14.38	18.50	32.70	21.58	30.00	30.99	28.77	37.00	29.88	35.96	45.00	28.25	43.15	55.00
	1850	39.81	7.60	11.00	36.73	15.21	18.50	34.85	22.81	30.00	33.07	30.41	37.00	31.93	38.01	45.00	30.23	45.62	55.00
PRV–200A	990	32.08	8.94	11.00	29.49	14.87	18.50	27.66	21.38	30.00	25.98	27.22	37.00	24.73	33.05	37.00	23.30	39.85	45.00
	1050	34.21	9.43	11.00	31.54	15.84	18.50	29.65	22.36	30.00	27.91	28.19	37.00	26.60	35.97	45.00	25.12	41.80	55.00
	1110	36.35	9.91	15.00	33.59	16.62	18.50	31.64	23.33	30.00	29.84	30.13	37.00	28.49	37.91	45.00	26.94	44.71	55.00
	1180	38.78	10.50	15.00	36.02	17.69	22.00	33.90	25.27	30.00	32.02	32.08	37.00	30.71	39.85	45.00	29.00	46.66	55.00
	1250	41.31	11.08	15.00	38.35	18.86	22.00	36.25	26.24	30.00	34.29	34.02	45.00	32.85	41.80	55.00	31.14	49.57	75.00
	1320	43.84	11.66	15.00	40.78	19.44	22.00	38.51	28.19	37.00	36.57	36.94	45.00	35.07	44.71	55.00	33.29	52.49	75.00
	1390	46.27	13.34	15.00	43.20	20.41	30.00	40.85	29.16	37.00	38.75	37.91	45.00	37.21	46.66	55.00	35.36	55.40	75.00
	1470	49.90	14.50	15.00	46.27	22.00	30.00	43.62	31.00	37.00	41.22	41.00	55.00	39.42	50.00	75.00	37.32	59.00	75.00
PRV–200S	990	41.20	11.00	15.00	37.92	18.80	22.00	35.53	26.00	30.00	33.39	34.00	45.00	31.77	43.00	55.00	29.92	50.00	75.00
	1050	44.00	11.60	15.00	40.61	20.00	30.00	38.04	28.00	37.00	35.82	37.00	45.00	34.23	45.00	55.00	32.30	53.00	75.00
	1110	46.70	12.20	15.00	43.20	21.00	30.00	40.64	30.00	37.00	38.34	39.00	45.00	36.61	48.00	55.00	34.60	56.00	75.00
	1180	49.90	13.10	15.00	46.27	22.00	30.00	43.62	31.00	37.00	41.22	41.00	55.00	39.42	50.00	75.00	37.32	59.00	75.00
	1250	53.10	13.80	18.50	49.34	24.00	30.00	46.59	33.00	37.00	44.10	44.00	55.00	42.24	53.00	75.00	40.04	63.00	75.00
	1320	56.30	14.50	18.50	52.42	25.00	30.00	49.57	35.00	45.00	46.98	46.00	55.00	45.06	56.00	75.00	42.76	66.00	75.00
	1390	59.50	15.20	18.50	55.49	26.00	30.00	52.55	38.00	45.00	49.86	48.00	55.00	47.87	59.00	75.00	45.56	70.00	90.00
PRV–250S	990	55.60	14.15	18.50	51.46	24.66	30.00	48.45	34.30	45.00	45.72	46.10	55.00	43.65	55.74	75.00	41.40	66.46	75.00
	1050	59.30	15.00	18.50	55.10	25.73	30.00	51.80	36.45	45.00	49.05	48.24	55.00	46.90	59.00	75.00	44.46	69.88	90.00
	1110	63.00	15.75	18.50	58.56	27.87	30.00	55.24	39.66	45.00	52.29	51.46	75.00	50.16	62.18	75.00	47.60	73.97	90.00
	1180	67.20	16.72	22.00	62.69	28.94	37.00	59.24	41.80	55.00	56.16	54.67	75.00	53.94	66.46	75.00	51.26	79.33	90.00
	1250	71.50	17.80	22.00	66.82	31.09	37.00	63.24	45.02	55.00	60.03	58.81	75.00	57.64	69.68	90.00	54.83	83.62	110.00
	1320	75.80	18.76	22.00	70.94	32.16	37.00	67.24	47.17	55.00	63.90	60.00	75.00	61.42	73.97	90.00	58.48	87.90	110.00
	1390	80.10	19.72	22.00	74.88	34.30	45.00	71.15	49.31	55.00	67.95	63.25	75.00	65.21	78.26	90.00	62.14	93.26	110.00
PRV–300S	900	111.5	26.6	30.0	103.9	50.1	75.0	98.2	71.6	90.0	92.6	91.4	110.0	88.7	109.7	132.0	84.0	126.7	160.0
	1000	124.5	29.6	37.0	116.7	57.0	75.0	110.6	80.9	110.0	104.6	102.9	132.0	100.4	123.3	160.0	95.3	142.1	160.0
	1100	138.1	34.5	45.0	129.7	63.9	75.0	123.1	90.2	110.0	116.7	114.4	132.0	112.3	136.8	160.0	106.8	157.6	200.0
	1200	151.7	39.5	45.0	142.6	70.8	90.0	135.6	99.5	132.0	128.8	125.9	160.0	124.1	150.4	200.0	118.2	171.9	200.0
	1300	165.3	44.5	55.0	155.6	83.6	110.0	148.2	108.8	132.0	141.0	137.4	160.0	136.0	164.0	200.0	129.7	188.4	250.0
	1400	178.0	47.9	55.0	167.6	90.0	110.0	159.6	117.2	160.0	151.9	148.0	200.0	146.5	176.6	200.0	139.7	202.9	250.0

PRV Outer Dimension



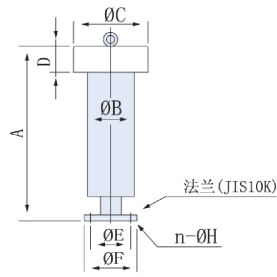
Type	A	B	C	D	E	F	G	H	J	m	M	N	P	R	X-ØY	ØO	n-Ød1	n-k
PRV-50	302	245	410	20	270	222	80	964	304	620	1300	50	160	60	4-Ø19	160	4-Ø18	4-M12x160
PRV-65	313	275	410		270	222	80	970	304			50	175	70	8-Ø19	180	4-Ø18	4-M16x220
PRV-80	406	300	510		310	222	80	1254	306			670	100	185	75	8-Ø19	230	
PRV-100	467	350	560		345	240	100	1310	326			760	100	210	87.5	8-Ø23	275	
PRV-125A	440	371	556	22	455	280	120	1895	375	900	1300	100	250	105	8-Ø23	315	4-Ø22	6-M20x300
PRV-125	500	431	556		465	280	120	1910	398			100	250	105	8-Ø23	315		
PRV-150	566	486	556		490	280	120	1954	404			100	280	120	8-Ø23	345		
PRV-200	590	547	940		660	335	160	2290	474			100	330	145	12-Ø23	460		
PRV-200A	540	497	940	30	675	335	160	2285	470	700	1400	100	330	145	12-Ø23	460	12-Ø22	6-M20x300
PRV-250	680	620	940		755	335	160	2595	496			140	400	177.5	12-Ø23	480		
PRV-300A	760	720	940		830	405	160	2830	535			250	445	200	16-Ø23	600		
PRV-300	758	685	1035	35	1035	405	250	2965	670	1000	2000	235	445	200	16-Ø23	600		

Check Valve



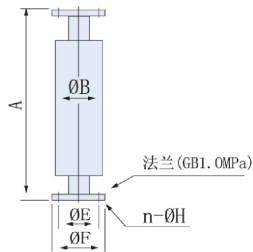
Type	Ø A	B	Ø C	Ø D	E	Weight (kg)	Suitable for models
PRV-50	25	20	104	52.7	86	1.1	PRV-40,50
PRV-65	36	24	124	65.9	108	1.4	PRV-65
PRV-80	46		134	78.1		1.6	PRV-80
PRV-100	67		159	102.3		2.3	PRV-100
PRV-125	88	25	190	126.6	115	3.4	PRV-125,125A
PRV-150	108	26	220	151		5.0	PRV-150
PRV-200	138	28	270	200	127	10.0	PRV-200,200A
PRV-250	185		331	251.4		18.0	PRV-250
PRV-300	220	30	370	300	150	22.0	PRV-300

Inlet Muffler



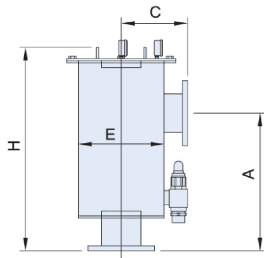
Type	A	¢ B	¢ C	D	¢ E	¢ F	n- ¢ H	Weight (kg)	Application type
SS40	400	109	170	70	105	130	4- ¢ 15	7.0	PRV-40
SS50	546	140	220	80	120	155	4- ¢ 18	11.0	PRV-50
SS65	548	165	235	85	140	175	4- ¢ 18	14.7	PRV-65
SS80	818	217	310	160	150	185	8- ¢ 18	25.4	PRV-80
SS100		240	350		175	210	8- ¢ 18	28.0	PRV-100
SS125	1310	280	400	185	210	250	8- ¢ 22	42.0	PRV-125,125A
SS150	1312	300	450	190	240	280	8- ¢ 22	45.3	PRV-150
SS200	1500	400	500	230	290	330	12- ¢ 22	67.8	PRV-200,200A
SS250	1700				355	400	12- ¢ 22	81.2	PRV-250
SS300	1800	500	650	350	400	445	16- ¢ 22	108	PRV-300

Outlet muffler



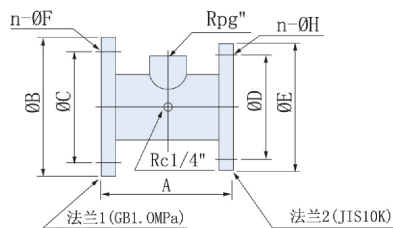
Type	A	¢ B	¢ E	¢ F	n- ¢ H	Weight (kg)	Application type
DS40	592	140	110	150	4- ¢ 18	2.5	PRV-40
DS50			125	165		3.0	PRV-50
DS65	596	165	145	185	4- ¢ 18	3.5	PRV-65
DS80			218	200		4.0	PRV-80
DS100	796	240	180	220	8- ¢ 18	5.0	PRV-100
DS125	1260	280	210	250	8- ¢ 18	6.5	PRV-125,125A
DS150	1264	300	240	285	8- ¢ 22	9.5	PRV-150
DS200	1644	400	295	340	8- ¢ 22	16.0	PRV-200,200A
DS250	1748		350	395		25.0	PRV-250
DS300	1848	500	400	445	12- ¢ 22	42	PRV-300

Vacuum Filter



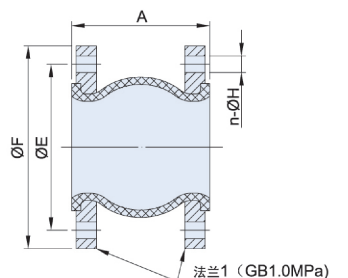
Type	A	B	C	E	H	Weight (kg)
PRV-40	395	65	240	219	530	28
PRV-50	395	65	240	219	530	28
PRV-65	395	65	240	219	530	28
PRV-80	480	80	240	273	670	33
PRV-100	480	100	240	273	670	38
PRV-125	760	125	300	330	770	43
PRV-150	760	150	360	330	770	48
PRV-200	920	200	420	492	1140	61
PRV-250	1090	1090	420	492	1240	67

Tee tube



Type	A	¢ E	¢ F	n- ¢ H	¢ D	¢ E	n- ¢ H	g	Weight (kg)	Application type
KXT40	90	110	150	4- ¢ 18	120	155	4- ¢ 18	1 1/4	7.0	PRV-40
KXT50	105	125	165		140	175	4- ¢ 18		7.3	PRV-50
KXT65	115	145	185		150	185	4- ¢ 18		9.0	PRV-65
KXT80	135	160	200	8- ¢ 18	175	210	8- ¢ 18	2	9.6	PRV-80
KXT100	150	180	220		210	250	8- ¢ 22		10.7	PRV-100
KXT125	165	210	250	8- ¢ 22	240	280	8- ¢ 22	3	14.5	PRV-125,125A
KXT150	180	240	285		290	330	12- ¢ 22		20.8	PRV-150
KXT200	190	295	340	12- ¢ 22	355	400	12- ¢ 22	3	26.0	PRV-200,200A
KXT250	230	350	395		400	445	16- ¢ 22		35.0	PRV-250
KXT300	250	400	445						44.7	PRV-300

Shockproof Connector



Type	A	¢ E	¢ F	n- ¢ H	Weight (kg)	Application type
KXT40	90	110	150	4- ¢ 18	2.5	PRV-40
KXT50	105	125	165		3.0	PRV-50
KXT65	115	145	185		3.5	PRV-65
KXT80	135	160	200	8- ¢ 18	4.0	PRV-80
KXT100	150	180	220		5.0	PRV-100
KXT125	165	210	250	8- ¢ 22	6.5	PRV-125,125A
KXT150	180	240	285		9.5	PRV-150
KXT200	190	295	340	12- ¢ 22	16.0	PRV-200,200A
KXT250	230	350	395		25.0	PRV-250
KXT300	250	400	445		42	PRV-300

中文网站

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