PHBB VALVES

PNEUMATIC ACTUATOR

Higher performance and reliability

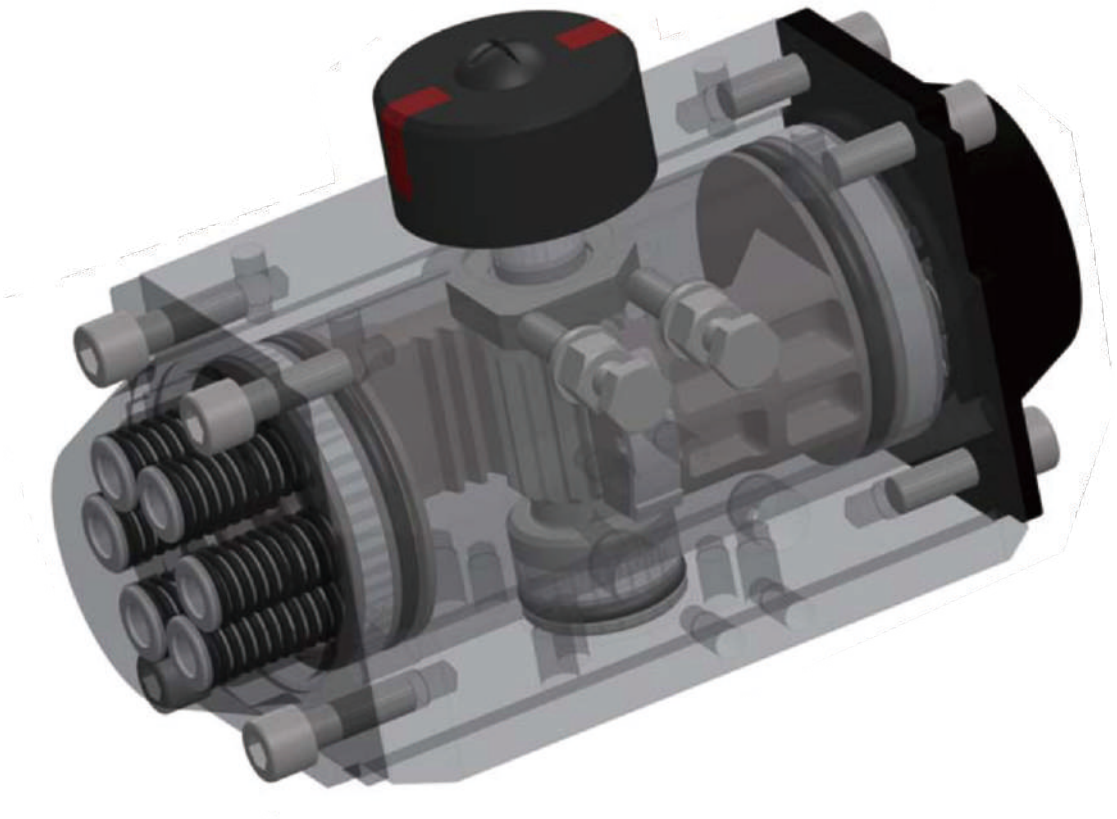
Fully compliance with all the latest international standards

Wide range options in technical specification and highly cost-effective

Compact housing design, suitable for any application and working environment

DESIGN AND CONSTRUCTION

PHBB A series pneumatic actuators are compact and light, have improved design for rack and pinion, have multifunction position indicator and are fully compliant with latest international standards.



1. compact design utilizing identical body and end caps for double acting and spring return models.

2. Full conformance to ISO 5211, for interchangeability and easy mounting of solenoids, limit switches and other accessories.

3. Two independent external travel stop adjustments permit easy and precise adjustment of +/- 5° in both directions.

4. Multiple bearings and guides on pistons and racks for precise operation, low friction, high cycle life and a blowout proof pinion shaft.

5. Electroless nickel-plated blowout resistant, bearing guided, one-piece pinion shaft for improved safety and maximum cycle life.

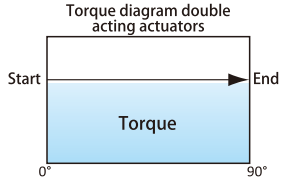
6. High precision teeth on piston racks and pinion shaft for accurate positioning, low backlash, and maximum engagement resulting in overall efficient operation.

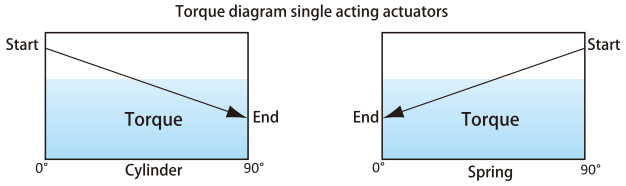
7. Extruded aluminum body with both internal and external corrosion protections having a honed cylinder surface for longer life and a lower coefficient of friction.

8. Modular preloaded spring cartridges designed with coated springs for versatility, greater safety and corrosion resistance.

9. Internal and external stainless steel fasteners for long term corrosion resistance.

METRIC TORQUE RATINGS





DOUBLE ACTING TORQUE RATINGS IN Nm										
Model	Supply Pressure (Unit:bar)									
	2.5	3	3.5	4	4.5	5	5.5	6	7	8
P050A-D	8.6	10.4	12.3	14.2	16.0	17.9	19.8	21.6	25.4	29.1
P065A-D	17.4	21.2	25.0	28.7	32.5	36.3	40.1	43.9	51.4	59.0
P075A-D	27.0	32.9	38.8	44.7	50.5	56.4	62.3	68.2	79.9	91.7
P085A-D	39.7	48.3	56.9	65.6	74.2	82.8	91.4	100.1	117.3	134.6
P095A-D	55.7	67.9	80.0	92.1	104.2	116.4	128.5	140.6	164.8	189.1
P0110A-D	72.0	89.3	105.0	120.6	136.3	152.0	167.6	183.3	214.6	245.9
P0125A-D	128.7	159.5	187.5	215.4	243.4	271.4	299.4	327.4	383.3	439.3
P0140A-D	196	237	278	319	360	401	442	483	565	647
P0160A-D	263.5	326.6	383.9	441.2	498.5	555.8	613.1	670.4	785.0	899.7
P0190A-D	428.5	518.0	607.3	696.6	785.9	875.3	964.6	1053.9	1232.5	1411.1
P0210A-D	598.2	723.2	847.9	972.6	1097.3	1222.0	1346.6	1471.3	1720.7	1970.1
P0240A-D	928.3	1122.0	1315.0	1508.0	1702.0	1895.0	2089.0	2282.0	2669.0	3056.0
P0270A-D	1305.0	1577.0	1849.0	2121.0	2393.0	2665.0	2937.0	3209.0	3753.0	4297.0
P0300A-D	1678.6	2029.4	2379.3	2729.2	3079.1	3429.0	3778.9	4128.8	4828.5	5528.3
P0350A-D	2492.5	3011.8	3531.1	4050.4	4569.6	5088.9	5608.2	6127.5	7166.0	8204.6
P0400A-D	3798.1	4589.4	5380.7	6172.0	6963.3	7754.5	8545.8	9337.1	10919.7	12502.2

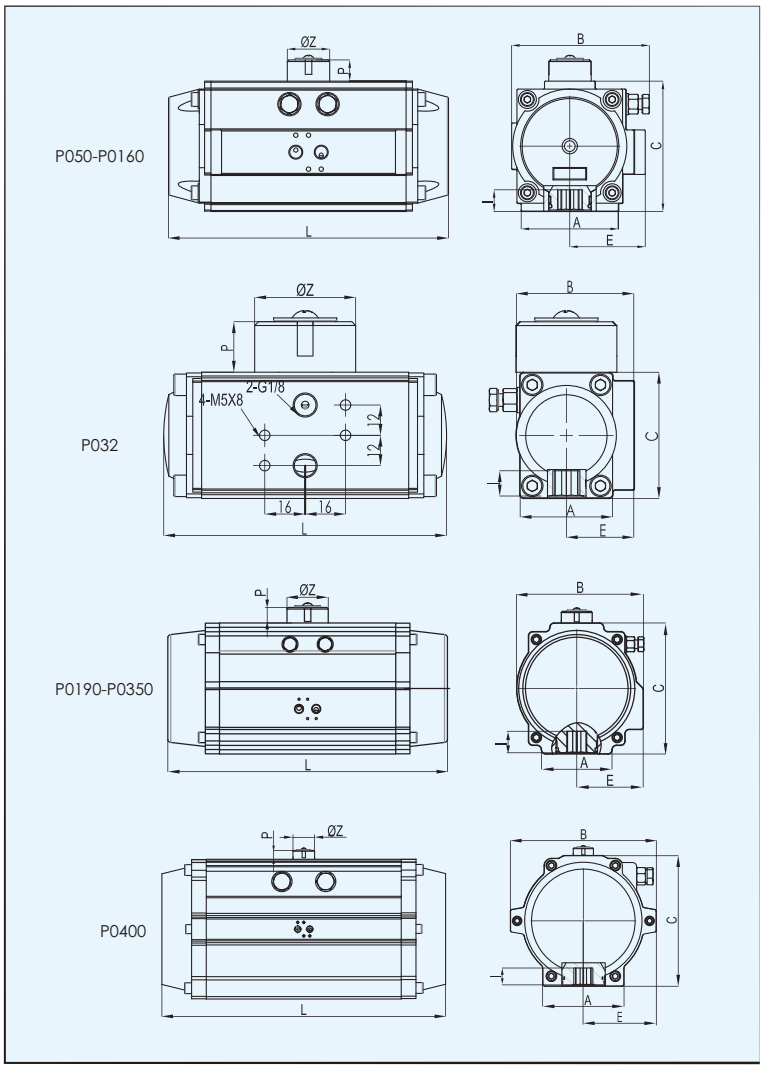
SINGLE ACTING TORQUE RATINGS IN Nm																						
Model	Supply Pressure (Unit:bar)																				Spring stroke	
	2.5		3		3.5		4		4.5		5		5.5		6		7		8			
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
P050A S05	**5.1**	**3.4**	6.9	5.3	8.8	7.2	10.7	9.0	12.5	10.9	14.4	12.8	16.3	14.6	18.1	16.5	21.9	20.2	25.6	23.9	**5.2**	**3.5**
P050A S06	4.4	2.4	**6.2**	**4.3**	8.1	6.1	10.0	8.0	11.8	9.9	13.7	11.7	15.6	13.6	17.4	15.5	21.2	19.2	24.9	22.9	**6.2**	**4.2**
P050A S07			5.5	3.2	**7.4**	**5.1**	9.3	7.0	11.1	8.8	13.0	10.7	14.9	12.6	16.7	14.4	20.5	18.2	24.2	21.9	**7.2**	**4.9**
P050A S08					6.7	4.1	**8.6**	**5.9**	10.4	7.8	12.3	9.7	14.2	11.5	16.0	13.4	19.8	17.1	23.5	20.9	**8.2**	**5.6**
P050A S09							7.9	4.9	**9.7**	**6.8**	11.6	8.6	13.5	10.5	15.3	12.4	19.1	16.1	22.8	19.8	**9.3**	**6.3**
P050A S10									9.0	5.7	**10.9**	**7.6**	12.8	9.5	14.6	11.3	18.4	15.1	22.1	18.8	**10.3**	**7.0**
P050A S11											10.2	6.6	**12.1**	**8.4**	13.9	10.3	17.7	14.0	21.4	17.8	**11.3**	**7.7**
P050A S12													11.4	7.4	**13.2**	**9.3**	17.0	13.0	20.7	16.7	**12.4**	**8.4**
P065A S05	**8.7**	**4.3**	12.5	8.1	16.3	11.9	20.0	15.6	23.8	19.4	27.6	23.2	31.4	27.0	35.2	30.8	42.7	38.3	50.3	45.9	**13.1**	**8.7**
P065A S06	7.0	1.7	**10.7**	**5.5**	14.5	9.2	18.3	13.0	22.1	16.8	25.9	20.6	29.7	24.4	33.4	28.2	41.0	35.7	48.6	43.3	**15.7**	**10.4**
P065A S07			9.0	2.8	**12.8**	**6.6**	16.6	10.4	20.4	14.2	24.1	18.0	27.9	21.8	31.7	25.5	39.3	33.1	46.8	40.7	**18.3**	**12.2**
P065A S08					11.0	4.0	**14.8**	**7.8**	18.6	11.6	22.4	15.4	26.2	19.1	30.0	22.9	37.5	30.5	45.1	38.1	**21.0**	**13.9**
P065A S09							13.1	5.2	**16.9**	**9.0**	20.7	12.7	24.4	16.5	28.2	20.3	35.8	27.9	43.4	35.4	**23.6**	**15.7**
P065A S10									15.1	6.3	**18.9**	**10.1**	22.7	13.9	26.5	17.7	34.0	25.2	41.6	32.8	**26.2**	**17.4**
P065A S11											17.2	7.5	**21.0**	**11.3**	24.7	15.1	32.3	22.6	39.9	30.2	**28.8**	**19.1**
P065A S12													19.2	8.7	**23.0**	**12.4**	30.6	20.0	38.1	27.6	**31.4**	**20.9**
P075A S05	**16.3**	**10.2**	22.2	16.0	28.1	21.9	34.0	27.8	39.8	33.7	45.7	39.6	51.6	45.4	57.5	51.3	69.2	63.1	81.0	74.8	**16.9**	**10.7**
P075A S06	14.2	6.8	**20.1**	**12.7**	25.9	18.6	31.8	24.4	37.7	30.3	43.6	36.2	49.4	42.1	55.3	47.9	67.1	59.7	78.8	71.4	**20.2**	**12.8**
P075A S07			17.9	9.3	**23.8**	**15.2**	29.7	21.1	35.6	26.9	41.4	32.8	47.3	38.7	53.2	44.6	64.9	56.3	76.7	68.1	**23.6**	**15.0**
P075A S08					21.7	11.8	**27.5**	**17.7**	33.4	23.6	39.3	29.4	45.2	35.3	51.0	41.2	62.8	53.0	74.5	64.7	**27.0**	**17.1**
P075A S09							25.4	14.3	**31.3**	**20.2**	37.1	26.1	43.0	32.0	48.9	37.8	60.7	49.6	72.4	61.3	**30.3**	**19.3**
P075A S10									29.1	16.8	**35.0**	**22.7**	40.9	28.6	46.8	34.5	58.5	46.2	70.3	58.0	**33.7**	**21.4**
P075A S11											32.9	19.3	**38.7**	**25.2**	44.6	31.1	56.4	42.8	68.1	54.6	**37.1**	**23.5**
P075A S12													36.6	21.8	**42.5**	**27.7**	54.2	39.5	66.0	51.2	**40.4**	**25.7**
P085A S05	**23.2**	**13.7**	31.8	22.3	40.4	30.9	49.0	39.5	57.6	48.1	66.3	56.8	74.9	65.4	83.5	74.0	100.8	91.3	118.0	108.5	**26.1**	**16.6**
P085A S06	19.8	8.4	**28.4**	**17.0**	37.1	25.7	45.7	34.3	54.3	42.9	62.9	51.5	71.6	60.2	80.2	68.8	97.4	86.0	114.7	103.3	**31.3**	**19.9**
P085A S07			25.1	11.8	**33.8**	**20.5**	42.4	29.1	51.0	37.7	59.6	46.3	68.3	55.0	76.9	63.6	94.1	80.8	111.4	98.1	**36.5**	**23.2**
P085A S08					30.4	15.2	**39.1**	**23.9**	47.7	32.5	56.3	41.1	64.9	49.7	73.6	58.4	90.8	75.6	108.1	92.9	**41.7**	**26.5**
P085A S09							35.8	18.7	**44.4**	**27.3**	53.0	35.9	61.6	44.5	70.3	53.2	87.5	70.4	104.8	87.7	**46.9**	**29.8**
P085A S10									41.1	22.1	**49.7**	**30.7**	58.3	39.3	67.0	48.0	84.2	65.2	101.5	82.5	**52.1**	**33.1**
P085A S11											46.4	25.5	**55.0**	**34.1**	63.6	42.7	80.9	60.0	98.1	77.2	**57.3**	**36.4**
P085A S12													51.7	28.9	**60.3**	**37.5**	77.6	54.8	94.8	72.0	**62.5**	**39.7**
P095A S05	**33.6**	**20.9**	45.8	33.0	57.9	45.1	70.0	57.3	82.1	69.4	94.3	81.5	106.4	93.6	118.5	105.8	142.7	130.0	167.0	154.2	**34.9**	**22.1**
P095A S06	29.2	13.9	**41.4**	**26.1**	53.5	38.2	65.6	50.3	77.7	62.4	89.8	74.5	102.0	86.7	114.1	98.8	138.3	123.0	162.6	147.3	**41.8**	**26.5**
P095A S07			36.9	19.1	**49.1**	**31.2**	61.2	43.3	73.3	55.4	85.4	67.6	97.5	79.7	109.7	91.8	133.9	116.1	158.1	140.3	**48.8**	**30.9**
P095A S08					44.6	24.2	**56.8**	**36.4**	68.9	48.5	81.0	60.6	93.1	72.7	105.2	84.8	129.5	109.1	153.7	133.3	**55.8**	**35.4**
P095A S09							52.3	29.4	**64.5**	**41.5**	76.6	53.6	88.7	65.8	100.8	77.9	125.1	102.1	149.3	126.4	**62.7**	**39.8**
P095A S10									60.0	34.5	**72.2**	**46.7**	84.3	58.8	96.4	70.9	120.6	95.1	144.9	119.4	**69.7**	**44.2**
P095A S11											67.7	39.7	**79.9**	**51.8**	92.0	63.9	116.2	88.2	140.5	112.4	**76.7**	**48.6**
P095A S12													75.4	44.8	**87.6**	**57.0**	111.8	81.2	136.0	105.4	**83.6**	**53.0**

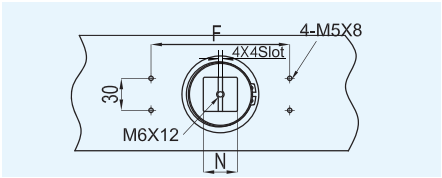
METRIC TORQUE RATINGS

SINGLE ACTING TORQUE RATINGS IN Nm

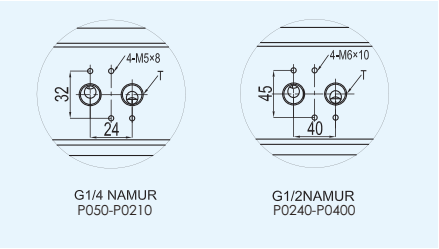
Model	Supply Pressure (Unit:bar)																				Spring stroke	
	2.5		3		3.5		4		4.5		5		5.5		6		7		8			
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	90°	0°
P0110A S05	**43.4**	**26.2**	60.7	43.4	76.4	59.1	92.0	74.8	107.7	90.4	123.4	106.1	139.0	121.8	154.7	137.4	186.0	168.8	217.3	200.1	**45.9**	**28.6**
P0110A S06	37.7	17.0	**55.0**	**34.3**	70.6	49.9	86.3	65.6	102.0	81.3	117.6	96.9	133.3	112.6	149.0	128.3	180.3	159.6	211.6	190.9	**55.0**	**34.3**
P0110A S07			49.3	25.1	**64.9**	**40.8**	80.6	56.4	96.2	72.1	111.9	87.8	127.6	103.4	143.2	119.1	174.6	150.4	205.9	181.8	**64.2**	**40.0**
P0110A S08					59.2	31.6	**74.9**	**47.3**	90.5	62.9	106.2	78.6	121.9	94.3	137.5	109.9	168.9	141.3	200.2	172.6	**73.4**	**45.8**
P0110A S09							69.1	38.1	**84.8**	**53.8**	100.5	69.4	116.1	85.1	131.8	100.8	163.1	132.1	194.5	163.4	**82.5**	**51.5**
P0110A S10									79.1	44.6	**94.8**	**60.3**	110.4	75.9	126.1	91.6	157.4	122.9	188.7	154.2	**91.7**	**57.2**
P0110A S11											89.0	51.1	**104.7**	**66.7**	120.4	82.4	151.7	113.7	183.0	145.1	**100.9**	**62.9**
P0110A S12													99.0	57.6	**114.6**	**73.2**	146.0	104.6	177.3	135.9	**110.0**	**68.6**
P0125A S05	**77.7**	**48.2**	108.5	78.9	136.5	106.9	164.4	134.9	192.4	162.9	220.4	190.9	248.4	218.8	276.4	246.8	332.3	302.8	388.3	358.7	**80.6**	**51.0**
P0125A S06	67.5	32.0	**98.3**	**62.8**	126.3	90.8	154.2	118.8	182.2	146.8	210.2	174.7	238.2	202.7	266.2	230.7	322.1	286.7	378.1	342.6	**96.7**	**61.2**
P0125A S07			88.1	46.7	**116.1**	**74.7**	144.0	102.7	172.0	130.7	200.0	158.6	228.0	186.6	256.0	214.6	311.9	270.6	367.9	326.5	**112.8**	**71.4**
P0125A S08					105.9	58.6	**133.8**	**86.6**	161.8	114.5	189.8	142.5	217.8	170.5	245.8	198.5	301.7	254.4	357.7	310.4	**128.9**	**81.6**
P0125A S09							123.6	70.5	**151.6**	**98.4**	179.6	126.4	207.6	154.4	235.6	182.4	291.5	238.3	347.5	294.3	**145.0**	**91.8**
P0125A S10									141.4	82.3	**169.4**	**110.3**	197.4	138.3	225.4	166.3	281.3	222.2	337.3	278.2	**161.1**	**102.0**
P0125A S11											159.2	94.2	**187.2**	**122.2**	215.2	150.2	271.1	206.1	327.1	262.1	**177.2**	**112.2**
P0125A S12													177.0	106.1	**205.0**	**134.0**	260.9	190.0	316.9	246.0	**193.3**	**122.4**
P0140A S05	**114.2**	**74.1**	155.1	115	196.1	156	237.0	196.9	277.9	237.8	318.8	278.7									**122.4**	**82.3**
P0140A S06	97.7	49.6	**138.7**	**90.6**	179.6	131.5	220.5	172.4	261.5	213.3	302.4	254.3	343.3	295.2							**146.8**	**98.7**
P0140A S07			122.2	66.1	**163.2**	**107.0**	204.1	147.9	245.0	188.9	285.9	229.8	326.9	270.7	367.8	311.6					**171.3**	**115.2**
P0140A S08					146.7	82.5	**187.6**	**123.5**	228.6	164.4	269.5	205.3	310.4	246.2	351.3	287.2	433.2	369.0			**195.8**	**131.6**
P0140A S09							171.2	99.0	**212.1**	**139.9**	253.0	180.9	294.0	221.8	334.9	262.7	416.7	344.6	498.6	426.4	**220.2**	**148.1**
P0140A S10									195.7	115.5	**236.6**	**156.4**	277.5	197.3	318.4	238.2	400.3	320.1	482.1	401.9	**244.7**	**164.5**
P0140A S11											220.1	131.9	**261.1**	**172.8**	302.0	213.8	383.8	295.6	465.7	377.5	**269.2**	**181.0**
P0140A S12													244.6	148.4	**285.5**	**189.3**	367.4	271.1	449.2	353.0	**293.6**	**197.4**
P0160A S05	**153.5**	**101.3**	216.6	164.4	273.9	221.7	331.2	279.0	388.5	336.3	445.8	393.6	503.1	450.9	560.4	508.2	675.0	622.8	789.7	737.4	**162.3**	**110.0**
P0160A S06	131.5	68.8	**194.6**	**131.9**	251.9	189.2	309.2	246.5	366.5	303.8	423.8	361.1	481.1	418.4	538.4	475.7	653.0	590.3	767.7	705.0	**194.7**	**132.0**
P0160A S07			172.6	99.5	**229.9**	**156.8**	287.2	214.1	344.5	271.4	401.8	328.7	459.1	386.0	516.4	443.3	631.0	557.9	745.7	672.5	**227.2**	**154.0**
P0160A S08					207.9	124.3	**265.2**	**181.6**	322.5	238.9	379.8	296.2	437.1	353.5	494.4	410.8	609.0	525.4	723.7	640.1	**259.6**	**176.0**
P0160A S09							243.2	149.2	**300.5**	**206.5**	357.8	263.8	415.1	321.1	472.4	378.4	587.0	493.0	701.7	607.6	**292.1**	**198.0**
P0160A S10									278.5	174.0	**335.8**	**231.3**	393.1	288.6	450.4	345.9	565.0	460.5	679.7	575.2	**324.5**	**220.0**
P0160A S11											313.8	198.9	**371.1**	**256.2**	428.4	313.5	543.0	428.1	657.7	542.7	**357.0**	**242.0**
P0160A S12													349.1	223.7	**406.4**	**281.0**	521.0	395.6	635.7	510.3	**389.4**	**264.0**
P0190A S05	**246.8**	**167.4**	336.3	256.9	425.6	346.2	514.9	435.5	604.2	524.8	693.5	614.1									**261.2**	**181.8**
P0190A S06	210.4	115.1	**299.9**	**204.6**	389.2	293.9	478.5	383.3	567.8	472.6	657.2	561.9	746.5	651.2							**313.4**	**218.1**
P0190A S07			263.6	152.4	**352.9**	**241.7**	442.2	331.0	531.5	420.3	620.8	509.6	710.1	599.0	799.4	688.3					**365.6**	**254.5**
P0190A S08					316.5	189.5	**405.8**	**278.7**	495.1	368.1	584.5	457.4	673.8	546.7	779.5	636.0	941.7	814.7			**417.8**	**290.8**
P0190A S09							369.5	226.6	**458.8**	**315.9**	548.1	405.2	637.4	494.5	745.2	583.8	905.3	762.4	1084.0	941.1	**470.1**	**327.2**
P0190A S10									422.4	263.6	**511.8**	**353.0**	601.1	442.3	710.9	531.6	869.0	710.2	1047.6	888.8	**522.3**	**363.5**
P0190A S11											475.4	300.7	**564.7**	**390.0**	676.6	479.3	832.6	658.0	1011.3	836.6	**574.5**	**399.9**
P0190A S12													528.4	337.8	**642.3**	**427.1**	796.3	605.7	974.9	784.4	**628.8**	**436.8**
P0210A S05	**352.8**	**239.1**	477.8	364.1	602.5	488.8	727.2	613.5	851.9	738.2	976.6	862.9	1101.2	987.5	1225.9	1112.2	1475.3	1361.6	1724.7	1611.0	**359.1**	**245.4**
P0210A S06	303.7	167.3	**428.7**	**292.3**	553.4	417.0	678.1	541.7	802.8	666.4	927.5	791.0	1052.2	915.7	1176.9	1040.4	1426.2	1289.8	1675.6	1539.2	**430.9**	**294.5**
P0210A S07			379.6	220.5	**504.3**	**345.2**	629.0	469.8	753.7	594.5	878.4	719.2	1003.1	843.9	1127.8	968.6	1377.2	1218.0	1626.5	1467.4	**502.7**	**343.6**
P0210A S08					455.3	273.3	**579.9**	**398.0**	704.6	522.7	829.3	647.4	954.0	772.1	1078.7	896.8	1328.1	1146.2	1577.5	1395.5	**574.6**	**392.6**
P0210A S09							530.9	326.2	**655.6**	**450.9**	780.2	575.6	904.9	700.3	1029.6	825.0	1279.0	1074.3	1528.4	1323.7	**646.4**	**441.7**
P0210A S10									606.5	379.1	**731.2**	**503.8**	855.8	628.4	980.5	753.1	1229.9	1002.5	1479.3	1251.9	**718.2**	**490.8**
P0210A S11											682.1	431.9	**806.8**	**556.6**	931.5	681.3	1180.8	930.7	1430.2	1180.1	**790.0**	**539.9**
P0210A S12													757.7	484.8	**882.4**	**609.5**	1131.8	858.9	1381.1	1108.3	**861.8**	**589.0**
P0240A S05	**517.8**	**374.3**	711.2	567.7	904.6	761.1	1098.0	954.5	1291.4	1147.9	1484.8	1341.3									**554.0**	**410.5**
P0240A S06	435.7	263.5	**629.1**	**456.9**	822.5	650.3	1015.9	843.7	1209.3	1037.1	1402.7	1230.5	1596.1	1423.9							**664.8**	**492.6**
P0240A S07			547.0	346.1	**740.4**	**539.5**	933.8	732.9	1127.2	926.3	1320.6	1119.7	1514.0	1313.1	1707.4	1506.5					**775.6**	**574.7**
P0240A S08					658.3	428.7	**851.7**	**622.1**	1045.1	815.5	1238.5	1008.9	1431.9	1202.3	1625.3	1395.7	2012.1	1782.5			**886.4**	**656.8**
P0240A S09							769.6	511.3	**963.0**	**704.7**	1156.4	898.1	1349.8	1091.5	1543.2	1284.9	1930.0	1671.7	2316.8	2058.5	**997.2**	**738.9**
P0240A S10									880.9	593.9	**1074.3**	**787.3**	1267.7	980.7	1461.1	1174.1	1847.9	1560.9	2234.7	1947.7	**1108.0**	**821.0**
P0240A S11											992.2	676.5	**1185.6**	**869.9**	1379.0	1063.3	1765.8	1450.1	2152.6	1836.9	**1218.8**	**903.1**
P0240A S12													1103.5	759.1	**1296.9**	**952.5**	1683.7	1339.3	2070.5	1726.1	**1329.6**	**985.2**
P0270A S05	**745.9**	**519.4**	1017.9	791.4	1289.9	1063.4	1561.8	1335.3	1833.8	1607.3	2105.7	1879.2									**786.0**	**559.5**
P0270A S06	634.0	362.2	**906.0**	**634.2**	1178.0	906.2	1449.9	1178.1	1721.9	1450.1	1993.8	1722.0	2265.8	1994.0							**943.2**	**671.4**
P0270A S07			794.1	477.0	**1166.1**	**749.0**	1338.0	1020.9	1610.0	1292.9	1881.9	1564.8	2153.9	1836.8	2425.9	2108.8					**1100.4**	**783.3**
P0270A S08					954.2	591.8	**1226.1**	**863.7**	1498.1	1135.7	1770.0	1407.6	2042.0	1679.6	2314.0	1951.6	2857.9	2495.5			**1257.6**	**895.2**
P027A S09							1114.2	706.5	**1386.2**	**978.5**	1658.1	1250.4	1930.1	1522.4	2202.1	1794.4	2746.0	2338.3	3289.9	2882.2	**1414.8**	**1007.1**
P0270A S10									1274.3	821.3	**1546.2**	**1093.2**	1818.2	1365.2	2090.2	1637.2	2634.1	2181.1	3178.0	2725.0	**1572.0**	**1119.0**
P0270A S11											1434.3	936.0	**1706.3**	**1208.0**	1978.3	1480.0	2522.2	2023.9	3066.1	2567.8	**1729.2**	**1230.9**
P0270A S12													1594.4	1050.8	**1866.4**	**1322.8**	2410.3	1866.7	2954.2	2410.6	**1886.4**	**1342.8**
P0300A S05	**987.5**	**646.7**	1338.3	997.5	1688.2	1347.4	2038.1	1697.3	2388.0	2047.2	2737.9	2397.1	3087.8	2747.0	3437.7	3096.9	4137.4	3796.6	4837.2	4496.4	**1031.9**	**691.1**
P0300A S06	849.3	440.3	**1200.1**	**791.1**	1550.0	1141.0	1899.9	1490.9	2249.8	1840.8	2599.6	2190.7	2949.5	2540.6	3299.4	2890.5	3999.2	3590.3	4699.0	4290.1	**1238.3**	**829.3**
P0300A S07			1061.9	584.7	**1411.7**	**934.6**	1761.6	1284.5	2111.5	1634.4	2461.4	1984.3	2811.3	2334.2	3161.2	2684.1	3861.0	3383.9	4560.8	4083.7	**1444.7**	**967.5**
P0300A S08					1273.5	728.2	**1623.4**	**1078.1**	1973.3	1428.0	2323.2	1777.9	2673.1	2127.8	3023.0	2477.7	3722.8	3177.5	4422.6	3877.3	**1651.0**	**1105.8**
P030A S09							1485.2	871.8	**1835.1**	**1221.7**	2185.0	1571.5	2534.9	1921.4	2884.8	2271.3	3584.6	2971.1	4284.4	3670.9	**1857.4**	**1244.0**
P0300A S10									1696.9	1015.3	**2046.8**	**1365.2**	2396.7	1715.1	2746.6	2065.0	3446.3	2764.7	4146.1	3464.5	**2063.8**	**1382.2**
P0300A S11											1908.5	1158.8	**2258.4**	**1508.7**	2608.3	1858.6	3308.1	2558.4	4007.9	3258.2	**2270.2**	**1520.4**
P0300A S12													2120.2	1302.3	**2470.1**	**1652.2**	3169.9	2352.0	3869.7	3051.8	**2476.6**	**1658.6**
P0350A S05	**1498.2**	**1017.1**	2017.5	1536.4	2536.8	2055.6	3056.1	2574.9	3575.3	3094.2	4094.6	3613.5	4613.9	4132.7	5133.2	4652.0	6171.7	5690.6	7210.3	6729.1	**1475.5**	**994.3**
P0350A S06			**1818.6**	**1241.3**	2337.9	1760.5	2857.2	2279.8	3376.5	2799.1	3895.8	3318.4	4415.0	3837.7	4934.3	4356.9	5972.9	5395.5	7011.4	6434.0	**1770.5**	**1193.2**
P0350A S07			1619.8	946.2	**2139.1**	**1465.5**	2658.3	1984.7	3177.6	2504.0	3696.9	3023.3	4216.2	3542.6	4735.5	4061.8	5774.0	5100.4	6812.6	6139.0	**2065.6**	**1392.0**
P0350A S08					1940.2	1170.4	**2459.5**	**1689.6**	2978.8	2208.9	3498.0	2728.2	4017.3	3247.5	4536.6	3766.8	5575.1	4805.3	6613.7	5843.9	**2360.7**	**1590.9**
P0350A S09					1741.3	875.3	2260.6	1394.6	**2779.9**	**1913.8**	3299.2	2433.1	3818.5	2952.4	4337.7	3471.7	5376.3	4510.2	6414.8	5548.8	**2655.8**	**1789.7**
P0350A S10							2061.8	1099.5	2581.0	1618.7	**3100.3**	**2138.0**	3619.6	2657.3	4138.9	3176.6	5177.4	4215.1	6216.0	5253.7	**2950.9**	**1988.6**
P0350A S11							1862.9	804.4	2382.2	1323.7	2901.5	1842.9	**3420.7**	**2362.2**	3940.0	2881.5	4978.6	3920.0	6017.1	4958.6	**3246.0**	**2187.5**
P0350A S12									2183.3	1028.6	2702.6	1547.8	3221.9	2067.1	**3741.2**	**2586.4**	4779.7	3624.9	5818.3	4663.5	**3541.1**	**2386.3**
P0400A S05	2222.0	**1497.0**	3013.0	2288.0	3805.0	3080.0	4596.0	3871.0	5387.0	4662.0	6179.0	5454.0									**2301.0**	**1576.0**
P0400A S06			2698.0	**1828.0**	3490.0	2620.0	4281.0	3411.0	5072.0	4202.0	5863.0	4993.0	6655.0	5785.0							**2761.0**	**1891.0**
P0400A S07			2383.0	1368.0	3174.0	**2195.0**	3966.0	2951.0	4757.0	3742.0	5548.0	4533.0	6339.0	5324.0	7131.0	6116.0					**3221.0**	**2206.0**
P0400A S08					2859.0	1699.0	**3650.0**	**2490.0**	4442.0	3282.0	5233.0	4073.0	6024.0	4864.0	6816.0	5656.0	8398.0	7238.0			**3682.0**	**2522.0**
P0400A S09					2544.0	1239.0	3335.0	2030.0	**4126.0**	**2821.0**	4918.0	3613.0	5709.0	4404.0	6500.0	5195.0	8083.0	6778.0	9665.0	8360.0	**4142.0**	**2837.0**
P0400A S10							3020.0	1570.0	3811.0	2361.0	**4603.0**	**3153.0**	5394.0	3944.0	6185.0	4735.0	7768.0	6318.0	9350.0	7900.0	**4602.0**	**3152.0**
P0400A S11							2705.0	1110.0	3496.0	1901.0	4287.0	2692.0	**5079.0**	**3484.0**	5870.0	4275.0	7452.0	5857.0	9035.0	7440.0	**5062.0**	**3467.0**
P0400A S12									3181.0	1441.0	3972.0	2232.0	4763.0	2023.0	**5555.0**	**3815.0**	7137.0	5397.0	8720.0	6980.0	**5522.0**	**3782.0**

INSTALLATION

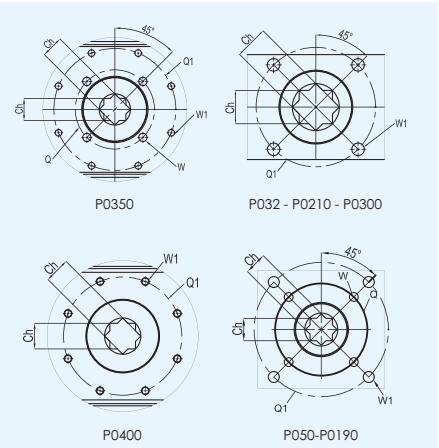




AIR CONNECTION



BOTTOM



MODEL	A	B	C	L	E	F	P	ØZ	N	I	FLANGE	Q	Q1	W	W1	Ch	T
P050	45	70.5	70	154	41.5	80	20	40	10	12	F03/05	36	50	M5×7.5	M6×9	11×11	G1/4"
P065	62	89.5	89	189	51.5	80	20	40	10	16	F05/07	50	70	M6×9	M8×12	14×14	G1/4"
P075	68	102.5	100	210	59	80	20	40	14	16	F05/07	50	70	M6×9	M8×12	14×14	G1/4"
P085	68	112.5	113	229	63.5	80	20	40	14	19	F05/07	50	70	M6×9	M8×12	17×17	G1/4"
P095	92	126	123	264	71	80	20	40	14	19	F05/07	50	70	M6×9	M8×12	17×17	G1/4"
P0110	93	138.5	136	266	76.5	80	20	40	14	19	F07/10	70	102	M8×12	M10×15	17×17	G1/4"
P0125	96	157	161	337	85	80	30	56	22	25	F07/10	70	102	M8×12	M10×15	22×22	G1/4"
P0140	110	178	178	377	97	80	30	56	22	31	F10/12	102	125	M10×15	M12×18	27×27	G1/4"
P0160	112	196	200	412	106	130	30	56	22	31	F10/12	102	125	M10×15	M12×18	27×27	G1/4"
P0190	136	216.5	232	488	112	130	30	56	22	41	F10/14	102	140	M10×15	M16×24	36×36	G1/4"
P0210	140	235.5	255	550	120	130	30	80	32	40	F14	–	140	–	M16×24	36×36	G1/4"
P0240	159	262	292	602	131	130	30	80	32	50	F16	–	165	–	M20×28	46×46	G1/2"
P0270	159	295	331	672	147.5	130	30	80	32	50	F16	–	165	–	M20×28	46×46	G1/2"
P0300	180	335	354	784	173	130	30	80	32	50	F16	–	165	–	M20×28	46×46	G1/2"
P0350	270	385	410	845	195	130	30	80	32	50	F16/F25	165	254	M20×28	M16×30	46×46	G1/2"
P0400	290	520	466	956	260	130	30	80	32	60	F25	-	254	-	M16 x 30	55 X 55	G1/2"

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