

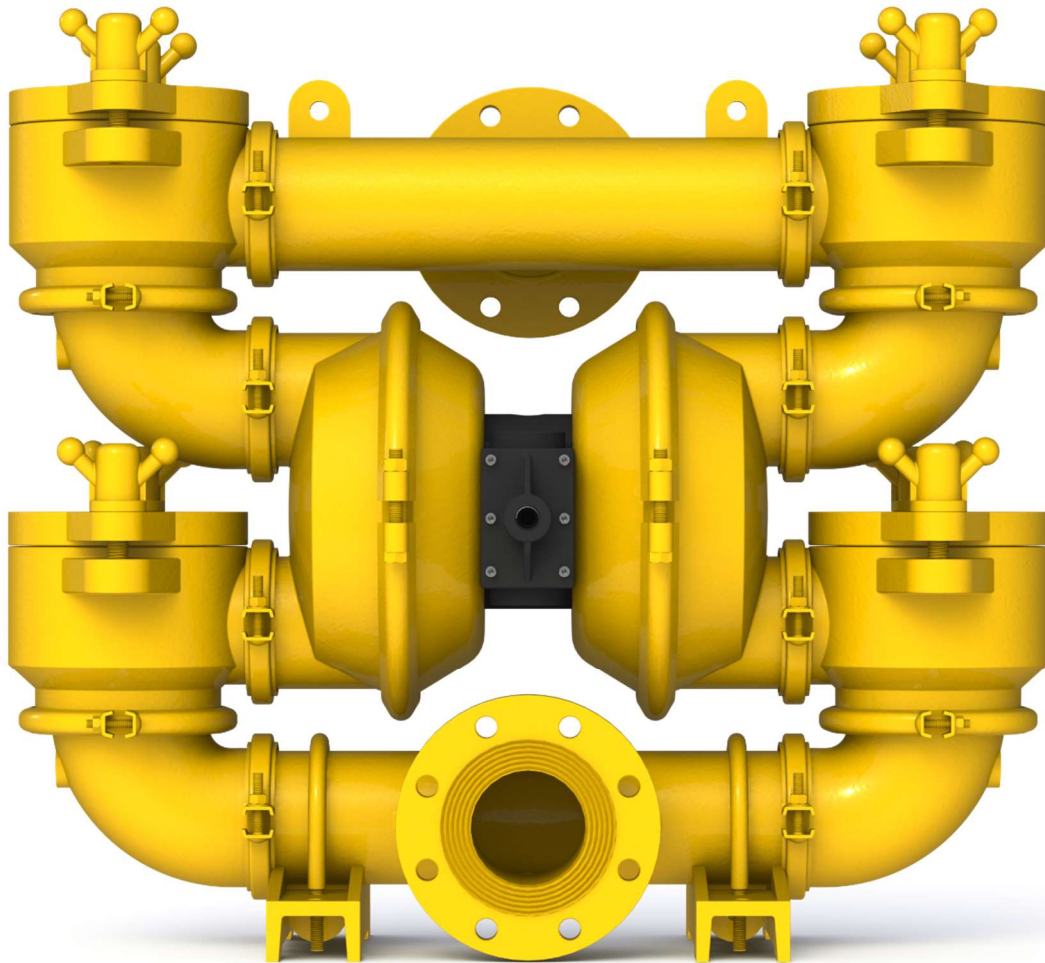


**AIR OPERATED
DOUBLE
DIAPHRAGM
PUMPS**



ISO 9001: 2008
ISO 14001: 2004

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4" CAST IRON PUMP AOD 100 NSV WNGG/HYT/NE/P/N

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SECTION 1- LEGEND

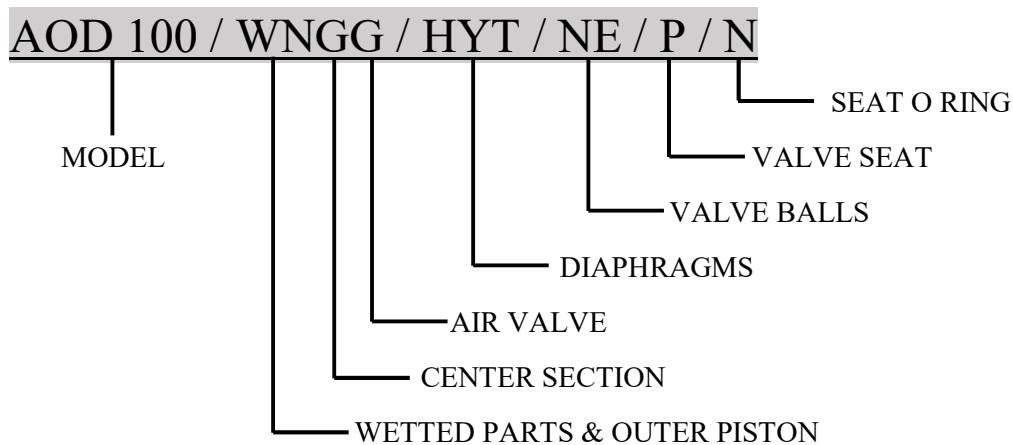
4" CAST IRON PUMP

AOD 100/WNGG/HYT/NE/P/N

MODEL: AOD 100 NSV CAST IRON

102 mm (4") Pump

Maximum Flow Rate: 1048 Lpm (277 gpm)



MATERIAL CODES

MODEL
AOD 100 = 4" PUMP

AIR VALVE
G = GLASS FILLED
POLYPROPYLENE

VALVE BALL
NE = NEOPRENE

WETTED PARTS & OUTER PISTON
WN = CAST IRON /
NYLON

DIAPHRAGMS
HYT = HYTREL

VALVE SEAT
P = POLYPROPYLENE

CENTER SECTION
G = GLASS FILLED
POLYPROPYLENE

SEAT O RING
N = NEOPRENE



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SECTION 2 – SPARE PART LIST

4" CAST IRON PUMP

AOD 100/WNGG/HYT/NE/P/N

SR No.	DISCRIPTION	PART No	QTY
1	LIQUID CHAMBER	T20-1001-02	2
2	ELBOW	T20-2151-02	4
3	SUCTION DISCHARGE TEE	T20-1205-02	2
4	POT	T20-1091-02	4
5	NRV BALL	T20-1041-51	4
6	PLATE O RING	T20-0006-51	4
7	PLATE	T20-0007-02	4
8	BALL SEAT	T20-1061-20	4
9	SEAT O RING	T20-3121-51	8
10	MANIFOLD GASKET	T20-3349-51	8
11	HOLDING PLATE	T15-1111-24	2
12	LOCK NUT	T15-1131-24	2
13	CHAMBER CLAMP	80-1231-61	4
14	SUCTION DISCHARGE CLAMP	80-1222-61	8
15	SUCTION DISCHARGE CLAMP (MEDIUM)	T20-1222-61	8
16	DIAPHRAGM	T15-2051-56	2
17	CENTER BLOCK	80-1303-23	1
18	CENTER BLOCK O RING	80-3155-56	4
19	CENTER BLOCK PIPE	80-1319-03	5
20	MAIN SHAFT	80-1341-03	1
21	AIR COVER GASKET	80-3313-51	2
22	AIR CHAMBER	T20-1401-02	1
23	WING NUT STUD	T20-0013-61	8
24	WING NUT	T20-0014-02	8
25	PIPE PLUG	T20-0015-02	4
26	FOOT CI 4"	T20-1390-02	2
27	U-BOLT MS 4"	T20-0017-61	2
28	PILOT SHAFT	80-1453-03	1
29	PILOT DRILL BUSH	80-1493-07	5
30	PILOT SHAFT O RING	80-3176-56	6



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SECTION 2 – SPARE PART LIST (CONTINUED...)

4" CAST IRON PUMP

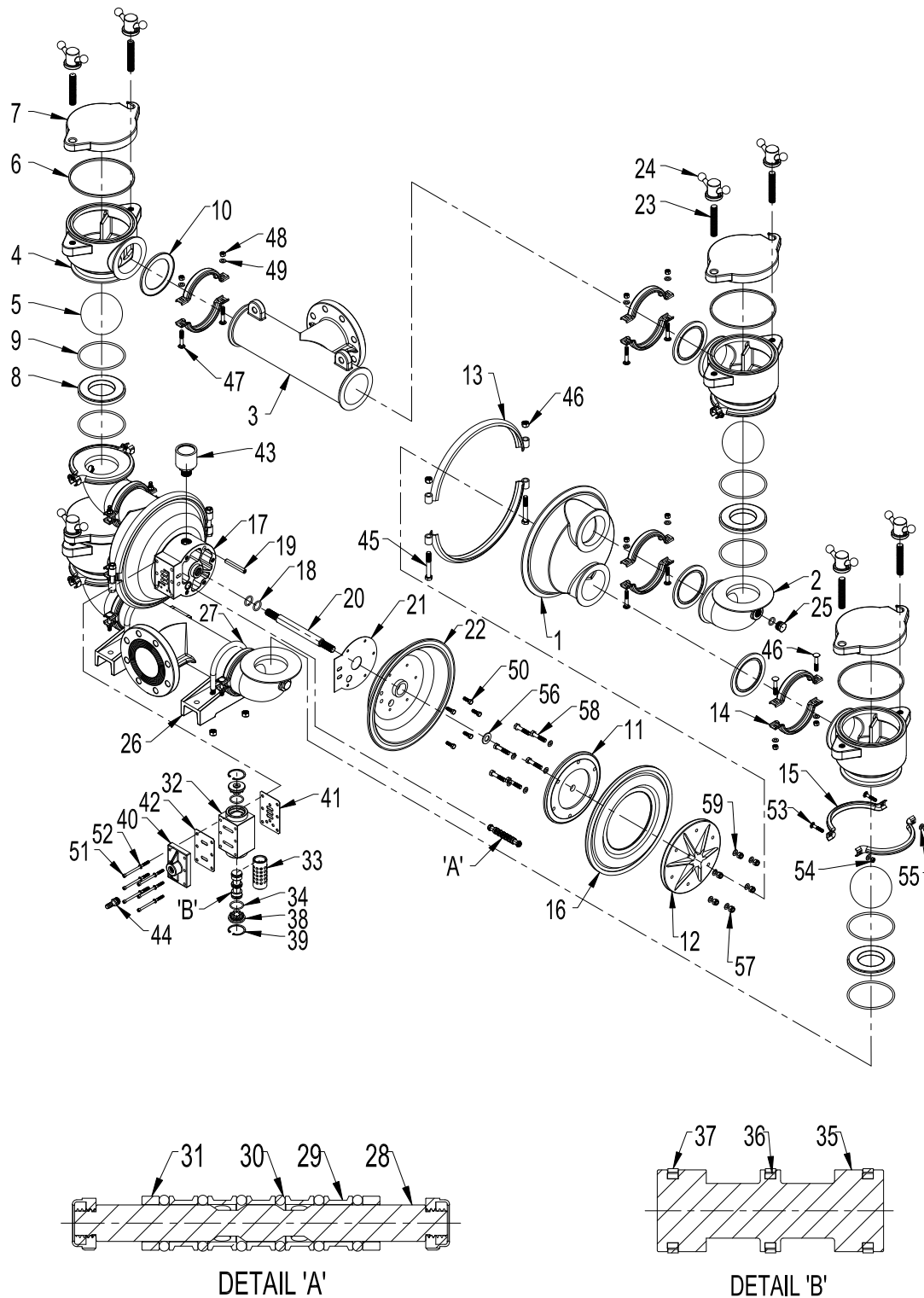
AOD 100/WNGG/HYT/NE/P/N

SR No.	DISCRIPTION	PART No	QTY
31	PILOT PLANE BUSH	80-1491-07	2
32	PISTON BLOCK	80-1501-23	1
33	PISTON BLOCK BUSH	80-1541-07	1
34	PISTON BLOCK CAP O RING	30-3146-51	2
35	PISTON	80-1525-01	1
36	PISTON O RING	80-3205-51	3
37	PISTON RING	80-3201-68	3
38	PISTON BLOCK CAP	80-1575-63	2
39	PISTON BLOCK CAP CIRCLIP	80-1581-61	2
40	PISTON BLOCK COVER	80-1564-23	1
41	PISTON BLOCK GASKET	80-3324-51	1
42	PISTON BLOCK COVER GASKET	80-3334-51	1
43	EXHAUST	80-1366-23	1
44	AIR NIPPLE	50-1371-07	1
45	½" X 3 ½" HEX BOLTS SS (CHAMBER BOLTS)	04-6007-03	4
46	½ SS HEX NUT	04-6301-03	4
47	3/8" X 60 MM CARRIAGE BOLTS SS (SUC/DIS)	04-6022-03	8
48	3/8 SS HEX NUT	04-6314-03	8
49	3/8 X 20.7 X 1.5 MM SS WASHER (SUC/DIS)	04-6210-03	8
50	5/16" X 1" HEX BOLTS SS (AIR COVER)	04-6027-03	12
51	¼" X 110 MM ALLEN BOLTS SS (PISTON BLOCK)	04-6002-03	6
52	¼ X 12.5 X 1.2 MM SS WASHER (PISTON BLOCK ALLEN BOLT)	04-6202-03	6
53	5/16" X 45 MM CARRIAGE BOLTS SS	04-6035-03	8
54	5/16" MS HEX NUT	04-6305-61	8
55	5/16" X 17 X 1.5 SS WAHSER	04-6215-03	16
56	5/8 X 35 X 3 MM MS WASHER (HOLDING PLATE)	04-6217-61	2
57	M 10 SS NYLOC NUT	04-6311-03	12
58	M10 X 50 MM MS HOLDING PLATE BOLTS	04-6041-61	12
59	3/8 X 24 X 3 MM SS WAHSER (HOLDING PLATE)	04-6211-03	24

SECTION 3 – EXPLODED VIEW

4" CAST IRON PUMP

AOD 100/WNGG/HYT/NE/P/N





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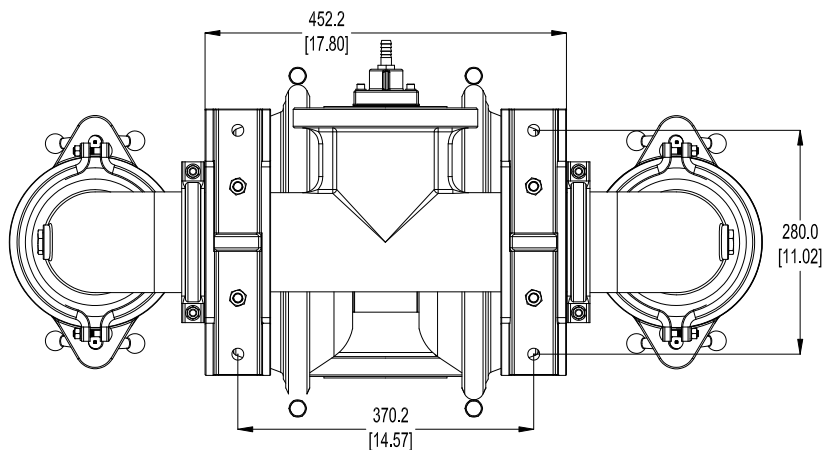
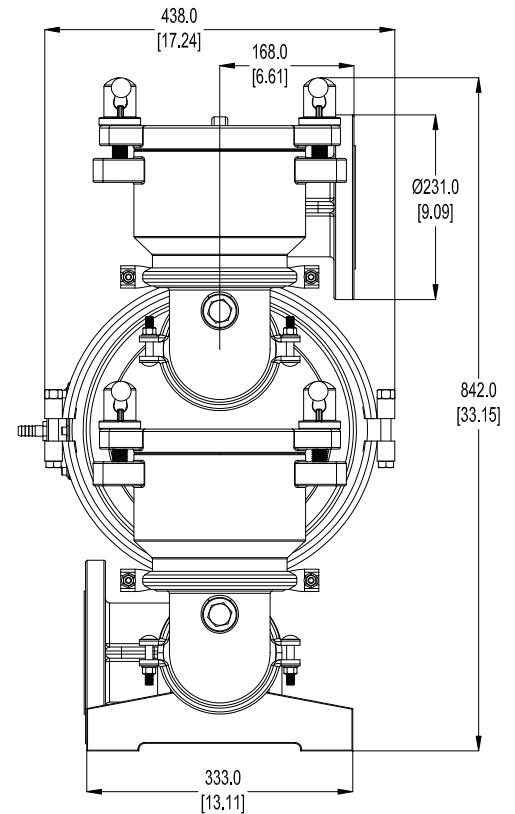
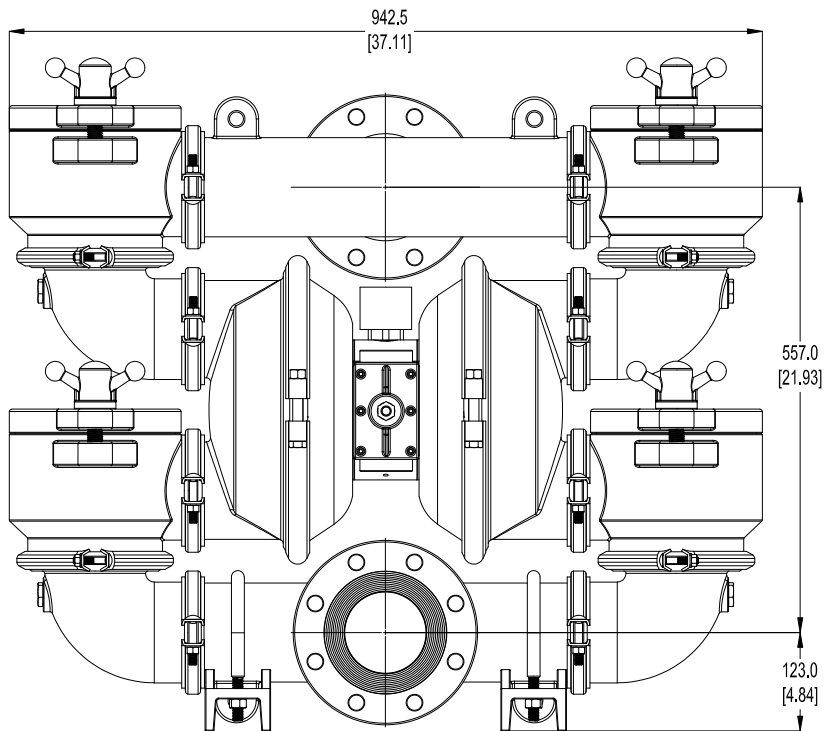
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SECTION 4 – DIMENSIONAL DRAWING

4" CAST IRON PUMP

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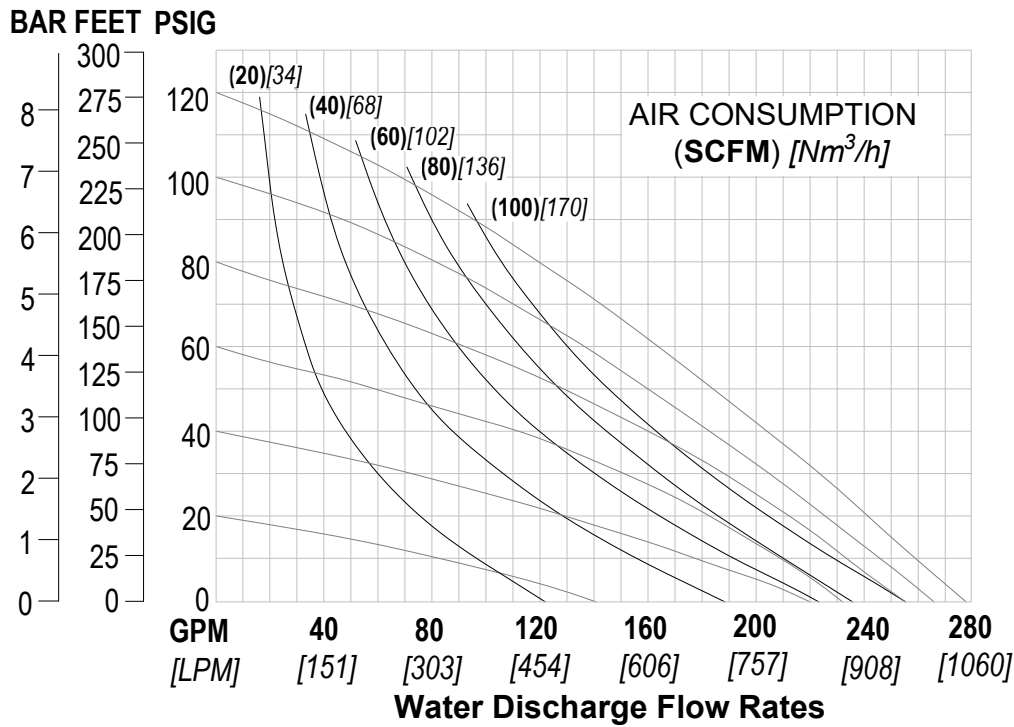
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SECTION 5 – SPECIFICATION & PERFORMANCE

4" CAST IRON PUMP

AOD 100/WNGG/HYT/NE/P/N



SPECIFICATIONS:

MAX FLOW RATE:	1048 Lpm (277 gpm)
MAX AIR PRESSURE:	120 psi (8.3 bar)
AIR INLET:	13 mm (1/2" BSP)
PORT INLET:	102 mm (4" BSP)
DISCHARGE:	102 mm (4" BSP)
SUCTION LIFT : DRY :	4.1 m (13.5')
WET :	8.6 m (28.4')
MAX PARTICLE SIZE:	(Dia) 35 mm (1-3/8")
AIR EXHAUST:	25 mm (1" BSP)

SHIPPING DIMENSIONS:

HEIGHT:	1030 mm (40.55")
WIDTH:	690 mm (27.17")
LENGTH:	1050 mm (41.34")
WEIGHT:	295 Kgs

Price Pumps meet ISO 9001-2015, ISO 14001 & CE quality standards.



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NOTES: