

Specifications:

Standard:

Basin construction is custom molded fiberglass reinforced polyester resin. The wall thickness shall be sufficient to withstand a water-saturated sand load of 120 lbs per cubic foot (1.9 gms/cu. cm) with a 1.5 safety factor.

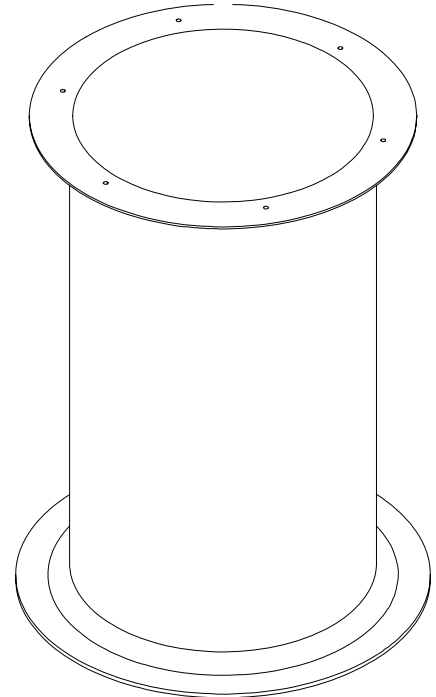
The Ballast support flange shall extend a minimum of 3" (76mm) on the radius of the basin. The flange is fiberglassed to the bottom of the basin. When secured properly to a concrete pad or pouring concrete over and around the flange, prevents the basin from rising, or floating out of the ground when empty as a result of static ground pressure. The basin will withstand a maximum temperature of 150°F (66°C).

OPTIONAL EQUIPMENT:

Inlet Hubs or Flexible pipe Fittings; Discharge Couplings; Electrical Conduit Couplings; Studs for mounting BAF's.

Non-Sparking:

Basins for Non-Sparking Systems, same as above except basins must have two (2) 1-1/2" or 2" NPT electrical couplings bolted to basin wall, for Simplex and Duplex has three couplings, 1-1/2" or 2" NPT, (See Page 6 for Coupling).



24" thru 72" Dia (.6m thru 1.8m)
48" thru 156" Depth (1.2m thru 3.9m)

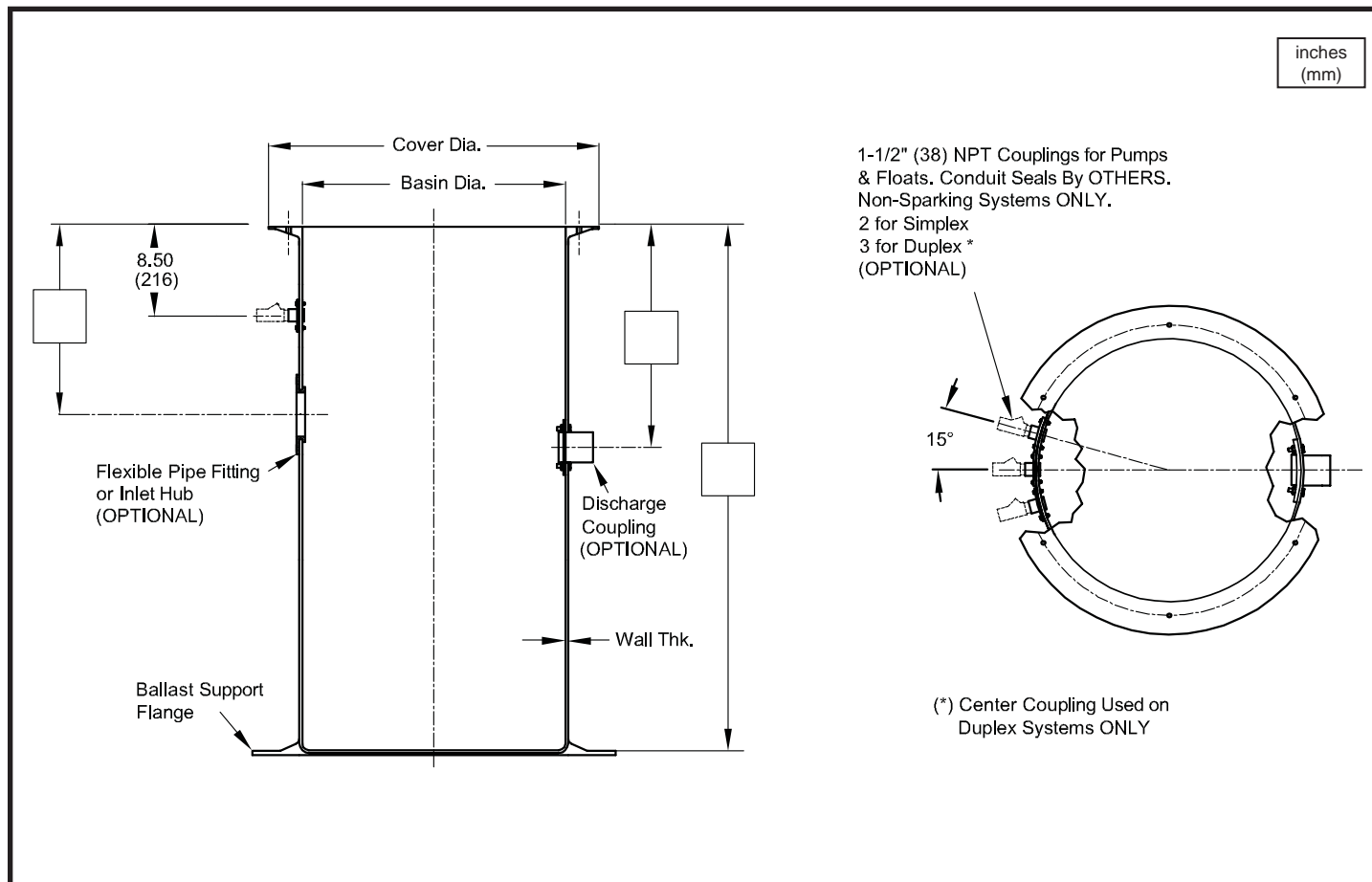
Fiberglass Basins

with Ballast Support Flange
24" Dia. thru 72" Dia. (.6m thru 1.8m)

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Basins & Accessories



PART NO.	BASIN INSIDE DIA.	BASIN INSIDE DEPTH	COVER DIA.	NOMINAL WALL THK.	CAPACITY APPROX. GALLONS (Liters)	SHIPPING WEIGHT IN LBS, (kg)
093982	24 (610)	48 (1219)	28 (711)	.19 (4.8)	94 (356)	51 (23)
094688	24 (610)	60 (1524)	28 (711)	.19 (4.8)	118 (447)	61 (28)
094689	24 (610)	72 (1829)	28 (711)	.19 (4.8)	141 (534)	71 (32)
093972	24 (610)	78 (1981)	28 (711)	.19 (4.8)	153 (579)	94 (43)
093954	24 (610)	84 (2134)	28 (711)	.25 (6.4)	165 (625)	100 (45)
093975	24 (610)	90 (2286)	28 (711)	.25 (6.4)	176 (666)	106 (48)
094690	24 (610)	96 (2438)	28 (711)	.25 (6.4)	188 (712)	112 (51)
097856	24 (610)	102 (3048)	28 (711)	.25 (6.4)	199 (753)	118 (54)
093989	24 (610)	108 (2743)	28 (711)	.25 (6.4)	211 (799)	124 (56)
097857	24 (610)	114 (2896)	28 (711)	.25 (6.4)	223 (844)	130 (59)
094691	24 (610)	120 (3048)	28 (711)	.25 (6.4)	235 (890)	136 (62)
097858	24 (610)	126 (3200)	28 (711)	.25 (6.4)	246 (931)	142 (64)
097859	24 (610)	132 (3353)	28 (711)	.25 (6.4)	258 (977)	148 (67)
098882	24 (610)	144 (3658)	28 (711)	.25 (6.4)	282 (1067)	160 (73)

Basin depths in 6 inch (152mm) increments up to 144 inches (3658mm), then in 12 inch (305mm) increments.

Consult factory for other depths and configurations.

Continued on next page

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CRANE
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PUMPS & SYSTEMS

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Basins & Accessories

PART NO.	BASIN INSIDE DIA.	BASIN INSIDE DEPTH	COVER DIA.	NOMINAL WALL THK.	CAPACITY APPROX. GALLONS (Liters)	SHIPPING WEIGHT IN LBS, (kg)
094614	30 (762)	36 (914)	34 (864)	.19 (4.8)	110 (416)	56 (25)
094003	30 (762)	48 (1219)	34 (864)	.19 (4.8)	147 (557)	78 (35)
094692	30 (762)	60 (1524)	34 (864)	.25 (6.4)	184 (697)	94 (43)
094693	30 (762)	72 (1829)	34 (864)	.25 (6.4)	220 (833)	114 (52)
094004	30 (762)	78 (1981)	34 (864)	.25 (6.4)	239 (905)	122 (55)
094005	30 (762)	84 (2134)	34 (864)	.25 (6.4)	257 (973)	160 (73)
094006	30 (762)	90 (2286)	34 (864)	.31 (7.8)	275 (1041)	170 (77)
094694	30 (762)	96 (2438)	34 (864)	.31 (7.8)	294 (1113)	180 (82)
097860	30 (762)	102 (2591)	34 (864)	.31 (7.8)	312 (1181)	190 (86)
094007	30 (762)	108 (2743)	34 (864)	.31 (7.8)	330 (1249)	200 (91)
094695	30 (762)	120 (3048)	34 (864)	.31 (7.8)	367 (1389)	233 (106)
097861	30 (762)	126 (3200)	34 (864)	.31 (7.8)	385 (1457)	243 (110)
097862	30 (762)	132 (3353)	34 (864)	.31 (7.8)	403 (1526)	254 (115)
097863	30 (762)	138 (3505)	34 (864)	.31 (7.8)	422 (1597)	265 (120)
098884	30 (762)	144 (3658)	34 (864)	.31 (7.8)	440 (1666)	312 (142)
094121	36 (914)	48 (1219)	40 (1016)	.19 (4.8)	212 (803)	98 (45)
094696	36 (914)	60 (1524)	40 (1016)	.25 (6.4)	264 (999)	116 (53)
094697	36 (914)	72 (1829)	40 (1016)	.25 (6.4)	317 (1200)	136 (62)
094122	36 (914)	78 (1981)	40 (1016)	.25 (6.4)	344 (1302)	160 (73)
094123	36 (914)	84 (2134)	40 (1016)	.25 (6.4)	370 (1401)	171 (78)
094124	36 (914)	90 (2286)	40 (1016)	.31 (7.8)	397 (1503)	205 (93)
094698	36 (914)	96 (2438)	40 (1016)	.31 (7.8)	423 (1601)	217 (98)
094125	36 (914)	108 (2743)	40 (1016)	.31 (7.8)	476 (1802)	242 (110)
094699	36 (914)	120 (3048)	40 (1016)	.31 (7.8)	529 (2003)	280 (127)
098881	36 (914)	144 (3658)	40 (1016)	.31 (7.8)	634 (2400)	372 (169)
094135	42 (1067)	48 (1219)	46 (1168)	.19 (4.8)	288 (1091)	116 (53)
094136	42 (1067)	60 (1524)	46 (1168)	.19 (4.8)	360 (1363)	138 (63)
094137	42 (1067)	72 (1829)	46 (1168)	.25 (6.4)	432 (1635)	168 (76)
094138	42 (1067)	78 (1981)	46 (1168)	.25 (6.4)	468 (1772)	187 (85)
094139	42 (1067)	84 (2134)	46 (1168)	.25 (6.4)	504 (1908)	200 (91)
094140	42 (1067)	90 (2286)	46 (1168)	.25 (6.4)	540 (2044)	211 (96)
094141	42 (1067)	96 (2438)	46 (1168)	.31 (7.8)	576 (2180)	224 (102)
094142	42 (1067)	108 (2743)	46 (1168)	.31 (7.8)	648 (2453)	248 (113)
094143	42 (1067)	120 (3048)	46 (1168)	.31 (7.8)	720 (2726)	307 (139)
098886	42 (1067)	132 (3353)	46 (1168)	.34 (8.6)	791 (2994)	340 (154)
098887	42 (1067)	144 (3658)	46 (1168)	.34 (8.6)	863 (3267)	370 (168)

Basin depths in 6 inch (152mm) increments up to 144 inches (3658mm), then in 12 inch (305mm) increments.
Consult factory for other depths and configurations.
Continued on next page

Fiberglass Basins

with Ballast Support Flange

24" Dia. thru 72" Dia. (.6m thru 1.8m)

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Basins & Accessories

PART NO.	BASIN INSIDE DIA.	BASIN INSIDE DEPTH	COVER DIA.	NOMINAL WALL THK.	CAPACITY APPROX. GALLONS (Liters)	SHIPPING WEIGHT IN LBS. (kg)
094714	48 (1219)	48 (1219)	54 (1372)	.19 (4.8)	376 (1423)	134 (61)
094700	48 (1219)	60 (1524)	54 (1372)	.19 (4.8)	470 (1779)	160 (73)
094701	48 (1219)	72 (1829)	54 (1372)	.25 (6.4)	564 (2135)	186 (84)
094239	48 (1219)	78 (1981)	54 (1372)	.25 (6.4)	611 (2313)	247 (112)
094713	48 (1219)	84 (2134)	54 (1372)	.25 (6.4)	658 (2491)	262 (119)
094240	48 (1219)	90 (2286)	54 (1372)	.25 (6.4)	705 (2669)	277 (126)
094702	48 (1219)	96 (2438)	54 (1372)	.25 (6.4)	752 (2847)	295 (134)
094241	48 (1219)	108 (2743)	54 (1372)	.31 (7.8)	846 (3203)	325 (147)
094703	48 (1219)	120 (3048)	54 (1372)	.31 (7.8)	940 (3558)	429 (195)
098889	48 (1219)	132 (3352)	54 (1372)	.34 (8.6)	1034 (3914)	465 (211)
098879	48 (1219)	144 (3658)	54 (1372)	.34 (8.6)	1128 (4270)	501 (227)
098891	48 (1219)	156 (3962)	54 (1372)	.34 (8.6)	1222 (4625)	540 (245)
094242	60 (1524)	48 (1219)	66 (1676)	.19 (4.8)	588 (2226)	176 (80)
094704	60 (1524)	60 (1524)	66 (1676)	.25 (6.4)	734 (2778)	208 (94)
094705	60 (1524)	72 (1829)	66 (1676)	.25 (6.4)	881 (3335)	240 (109)
094243	60 (1524)	78 (1981)	66 (1676)	.25 (6.4)	955 (3615)	315 (143)
094715	60 (1524)	84 (2134)	66 (1676)	.25 (6.4)	1028 (3891)	335 (152)
094716	60 (1524)	90 (2286)	66 (1676)	.25 (6.4)	1102 (4172)	360 (164)
094706	60 (1524)	96 (2438)	66 (1676)	.25 (6.4)	1175 (4448)	380 (172)
094717	60 (1524)	108 (2743)	66 (1676)	.31 (7.8)	1328 (5027)	415 (188)
094707	60 (1524)	120 (3048)	66 (1676)	.38 (9.5)	1469 (5561)	455 (206)
098892	60 (1524)	132 (3352)	66 (1676)	.38 (9.5)	1615 (6113)	600 (272)
098880	60 (1524)	144 (3658)	66 (1676)	.38 (9.5)	1762 (6669)	648 (294)
098893	60 (1524)	156 (3962)	66 (1676)	.38 (9.5)	1909 (7226)	812 (368)
098160	72 (1829)	84 (2134)	78 (1981)	.46 (11.7)	1481 (5606)	439 (199)
098161	72 (1829)	96 (2438)	78 (1981)	.46 (11.7)	1692 (6405)	523 (237)
098162	72 (1829)	108 (2743)	78 (1981)	.46 (11.7)	1904 (7207)	586 (266)
098163	72 (1829)	120 (3048)	78 (1981)	.46 (11.7)	2115 (8006)	748 (339)
098894	72 (1829)	132 (3352)	78 (1981)	.52 (13.2)	2327 (8808)	854 (387)
098164	72 (1829)	144 (3658)	78 (1981)	.52 (13.2)	2538 (9607)	920 (417)
098895	72 (1829)	156 (3962)	78 (1981)	.52 (13.2)	2749 (10406)	972 (441)

Basin depths in 6 inch (152mm) increments up to 96 inches (2438mm), then in 12 inch (305mm) increments. Consult factory for other depths and configurations.

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CRANE
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PUMPS & SYSTEMS

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Specifications:

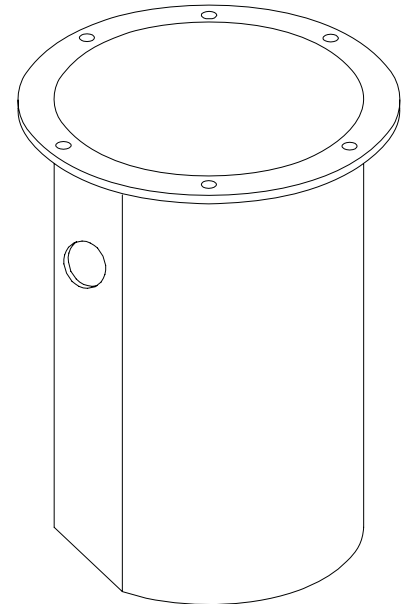
Poly Basin:

18" (457mm) Diameter x 30" (762mm) Depth polyethylene basin, impact resistant, rotationally molded, corrosion resistant. Comes with hole in basin to accommodate a 4" (102mm) Flexible Pipe Fitting 10.50" (267mm) from top of basin. Basin capacity is 30 gallons (114 liters), weight is 10.5 lbs (5kg) and a wall thickness of 3/16" (5mm).

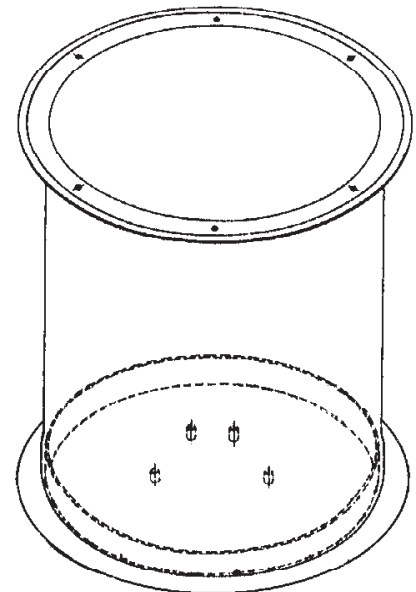
P/N: 076119

BAF Mounting Studs For Basin:

The studs are mounted in the bottom of the basin to mount Break Away Fittings. The studs are stainless steel and welded in a 1/4" (6mm) steel plate which another laminate of fiberglass is molded to the bottom to complete the basin construction. Studs are for Simplex or Duplex Installations. **MUST** Specify part number of BAF, and if it is Simplex or Duplex when ordering.

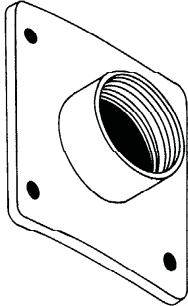


Poly Basin

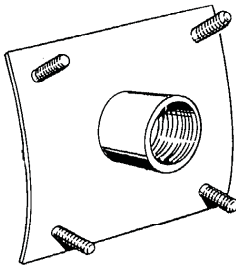


Mounting Studs

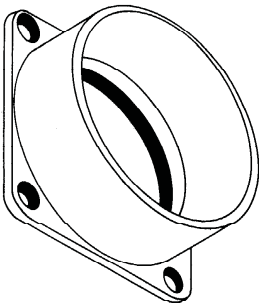
Basins & Accessories



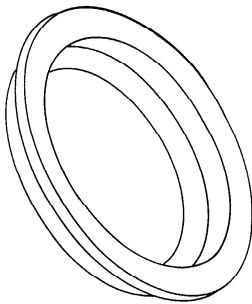
Electrical Conduit



Discharge Coupling



Inlet Hub



Flexible Pipe Fitting

Specifications:

Electrical Conduit Hub:

Bolt-On Hub. Constructed of glass filled nylon. Includes; gasket. stainless steel cap screws, sealing washers and hex nuts.

P/N:	Description:
078470	1-1/4" NPT Hub
078471	1-1/2" NPT Hub
078471D	2" NPT Hub

Discharge Coupling:

Stainless Steel Bolt-On Couplings Stainless

P/N:	Description
094790	1-1/4" NPT, Female
094801	1-1/2" NPT, Female
094802	2" NPT, Female
094964	2-1/2" NPT, Female
094965	3" NPT, Female

Cast Iron Inlet Hubs:

Cast iron inlet hubs are recommended for cast iron, ceramic, plastic or ductile iron gravity sewer pipe, designed to fit curvature of basin. Shipped loose for field installation. Includes gasket and four fasteners for mounting to basin.

P/N:	Description
063847	4" (102mm) Caulking Type
063848	6" (152mm) Caulking Type
063850	8" (203mm) Caulking Type

Flexible Pipe Fittings:

The Flexible Pipe fitting is super-tuff for weather and corrosion resistance. The fitting has superior vapor and water leakproof sealing ability. Shipped loose for field installation.

P/N:	Description
076149	4" (102mm) PVC, Sch. 40-80
075898	4" (102mm) PVC, SDR-35
076941*	6" (152mm) PVC, Sch. 40-80

(*) 6" Sch 40 inlet can only be used on 36" diameter and larger basins

Specifications:

Bug-Free Vent, 2" NPT:

The Bug-Free vent has a rustproof vinyl coating that resists gases, acids, alkalis, sun and weather. The vent is constructed of heavy 14 gauge top hat with a galvanized coupling and bronze screen. The screen area is 5.00 sq. in. (3226 sq. mm).

P/N: 075831

Flexible Discharge Couplings:

The Flexible Discharge Couplings are designed to dampen or suppress noise, absorb vibration (horizontal, vertical, angular), accommodate thermal expansion and stresses, and adjust or correct for misalignment in piping systems. The Flexible Couplings have the unique properties of metals; high strength and high resistance to temperature and corrosion. Each Coupling is equipped with an outer braid to prevent elongation under internal pressure. The braid is a tubular sheath of metal wires woven in a basket weave fashion. It is made to fit snugly over the hose, and is fastened to the ends of the hose. It is designed to be strong enough to withstand elongation for the full pressure rating of the hose.

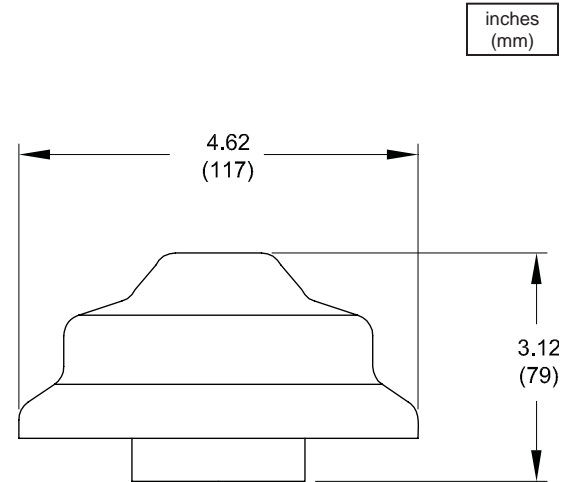
Inner Corrugated Hose: 300 Series Stainless Steel

Outer Braid: 300 Series Stainless Steel

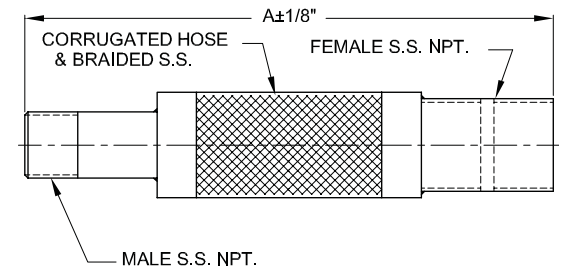
Maximum Permanent Offset From Center Line: 1/2" (13mm)

Maximum Intermittent Offset From Center Line: 1/4" (6.3mm)

PART NO.	PIPE NPT	"A" DIM ± .12" (3)	MAX. WORKING PRESS. @ 70°F (21°C)
100159	1.25	10 (254mm)	250 PSI (17.5 kg/cm ²)
100571	1.50	12 (305mm)	250 PSI (17.5 kg/cm ²)
100160	2.00	14 (356mm)	250 PSI (17.5 kg/cm ²)
100572	2.50	16 (406mm)	250 PSI (17.5 kg/cm ²)



Bug-free Vent 2" NPT



Flexible Discharge Couplings

Basin Covers

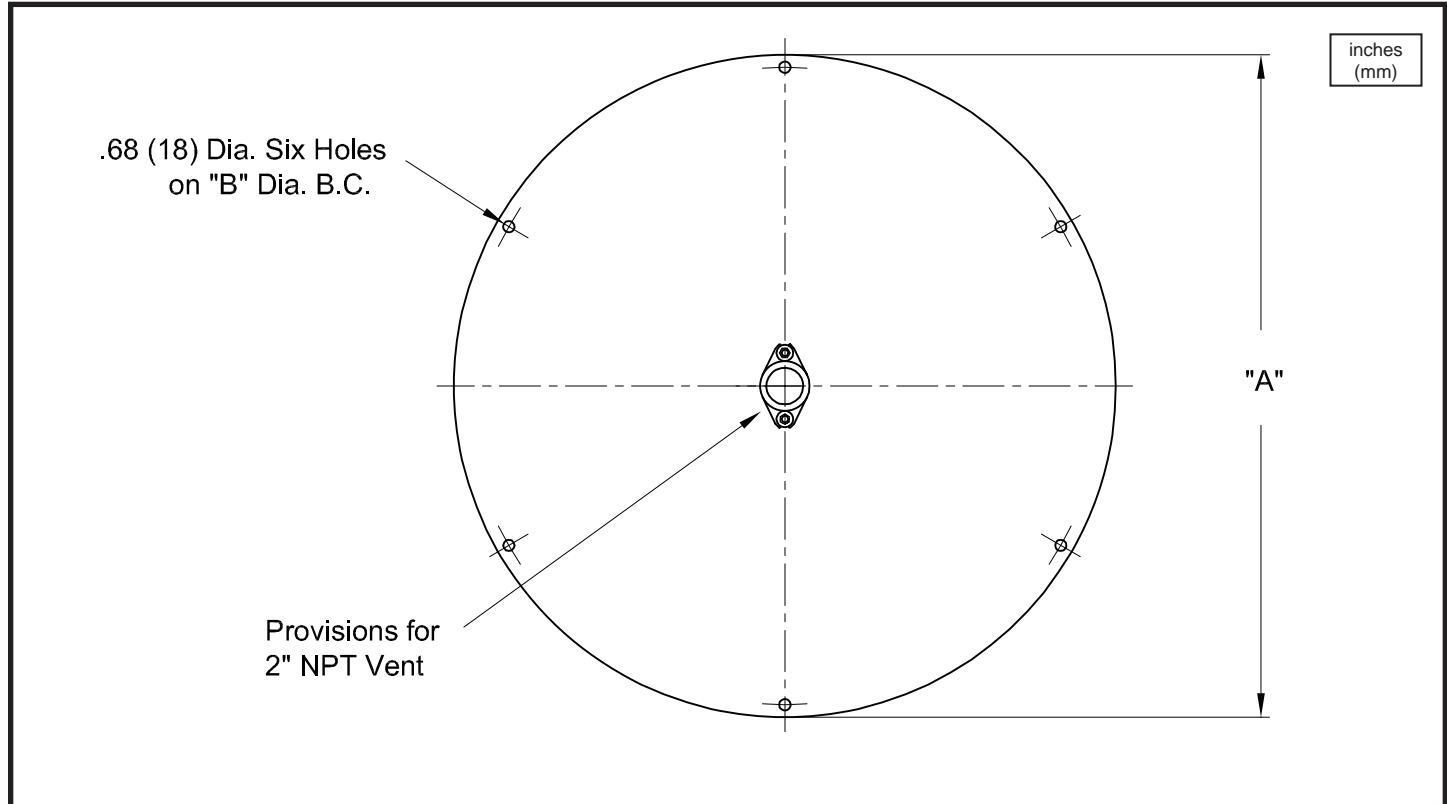
Fiberglass

For 24" Dia. thru 42" Dia. Basins

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Basins & Accessories



PART NO. Fiberglass:	BASIN DIA.	COVER DIA. "A"	BOLT CIRCLE "B"	COVER THK.
094487	24 (610)	28 (711)	26.50 (673)	.37 (9)
094488	30 (762)	34 (864)	32.50 (826)	.37 (9)
094489	36 (914)	40 (1016)	38.50 (978)	.50 (13)
094017	42 (1067)	46 (1168)	44.50 (1130)	.50 (13)

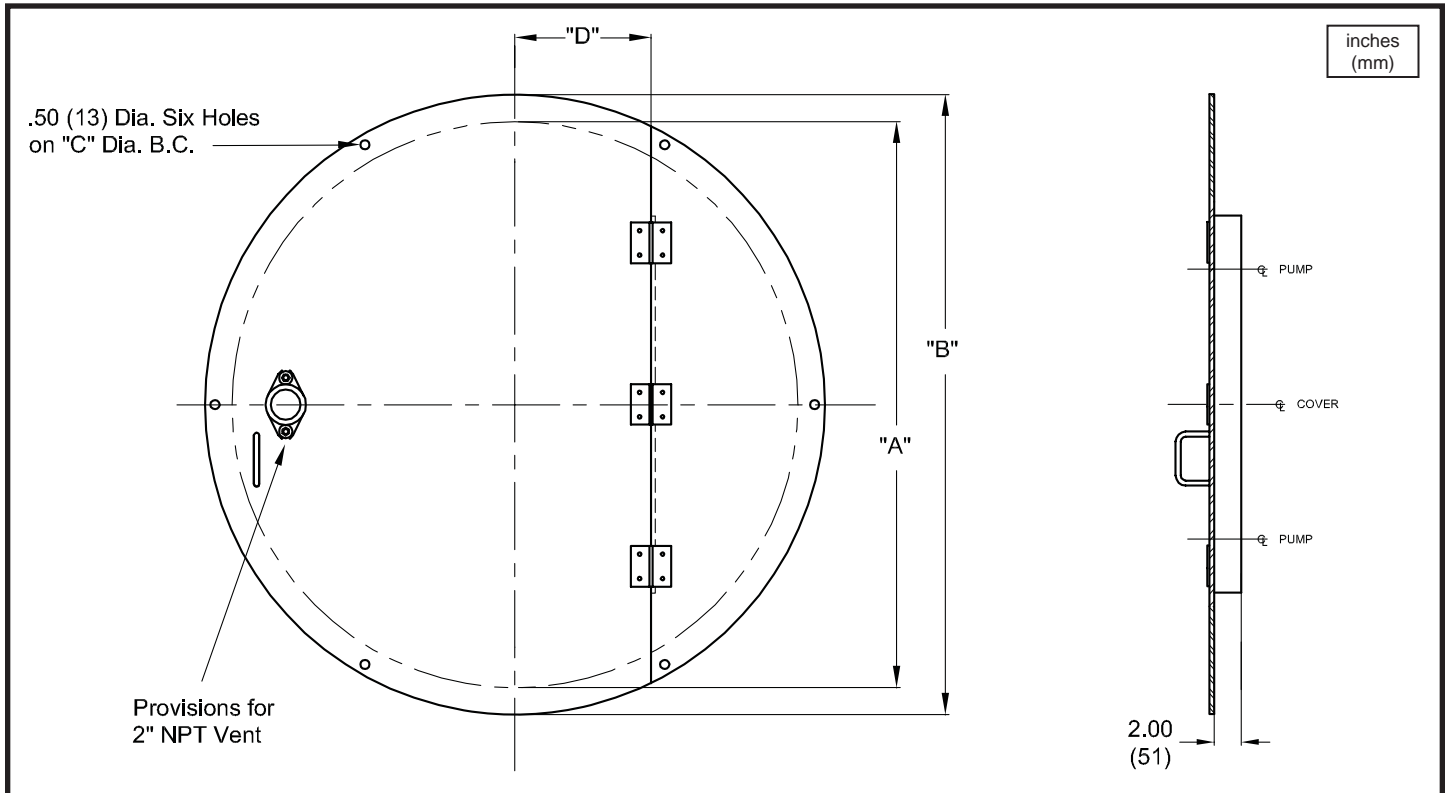
The Fiberglass Covers are of reinforced plastic and are grass green in color.
Covers have a load rating of 150 lbs/sq. ft. (732 kgs/sq. meter) minimum.

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CRANE
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PART NO.	BASIN DIA. "A"	COVER DIA. "B"	BOLT CIRCLE "C"	"D"	COVER THK.
Steel:					
094708	36 (914)	40 (1016)	38.50 (978)	9.00 (229)	.37 (9)
094163	42 (1067)	46 (1168)	44.50 (1130)	10.12 (257)	.37 (9)
Aluminum:					
094709	36 (914)	40 (1016)	38.50 (978)	9.00 (229)	.25 (6)
094164	42 (1067)	46 (1168)	44.50 (1130)	10.12 (257)	.25 (6)

Basin covers have hinged access door, lifting handle, provisions for 2" NPT vent, stainless steel hinges and hardware. Covers have a load rating of 150 lbs/sq. ft. (732 kgs/sq. meter) minimum. Steel cover has Black Powder Coating.

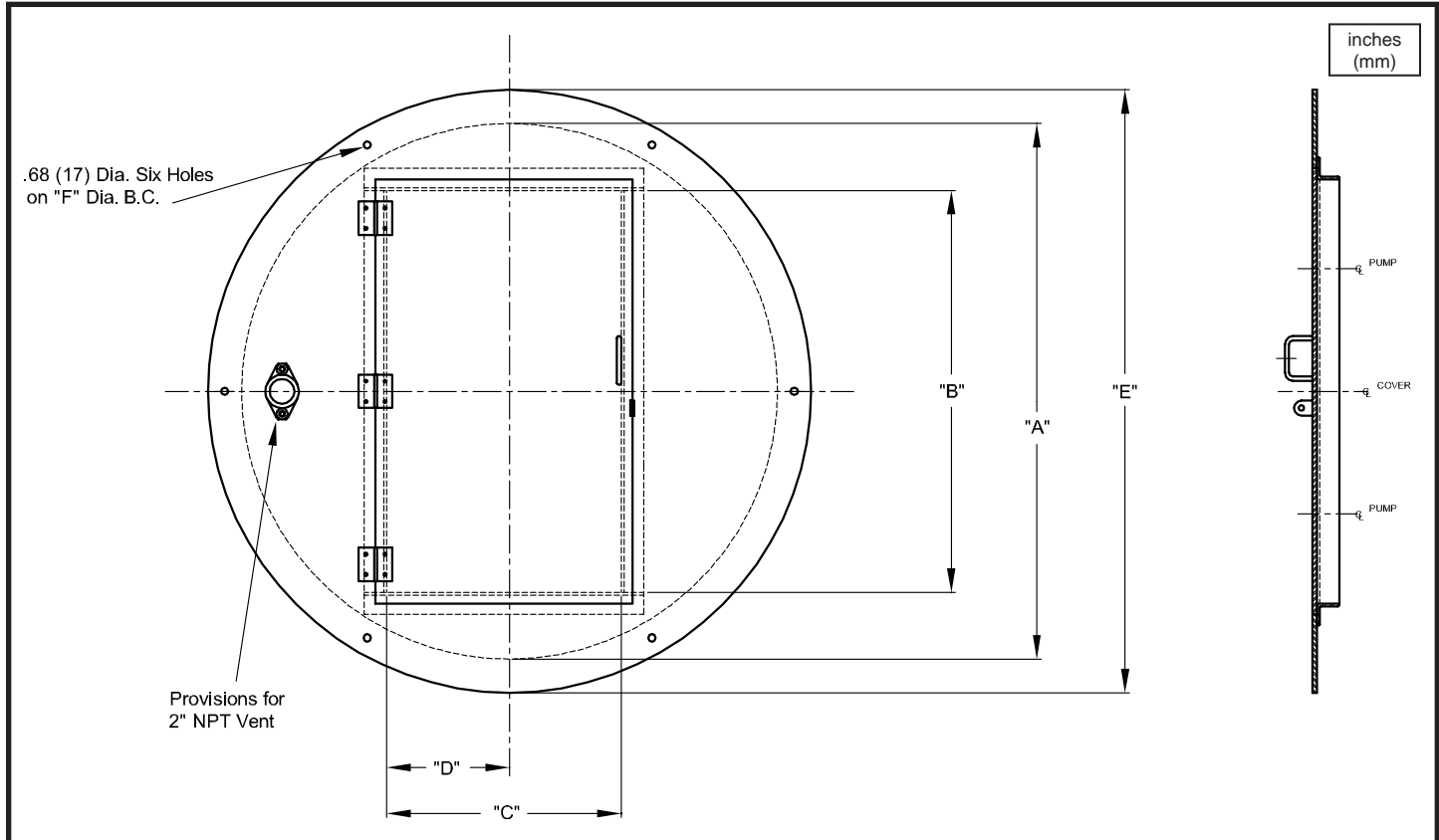
Basin Covers

Duplex, Steel & Aluminum, 48" & 60" for Pumps
on Stainless "C" Channel Rail Systems

BARNES®

www.cranepumps.com

Basins & Accessories



PART NO.	BASIN DIA. "A"	COVER DIA. "B"	BOLT CIRCLE "C"	"D"	DIA. "E"	B.C. "F"	COVER THK.
Steel:							
094165	48 (1219)	36 (914)	23 (584)	13.00 (330)	54 (1372)	51 (1295)	.37 (9)
094167	60 (1524)	36 (914)	23 (584)	8.90 (226)	66 (1676)	63 (1600)	.37 (9)
Aluminum:							
102720	48 (1219)	36 (914)	23 (584)	13.00 (330)	54 (1372)	51 (1295)	.37 (9)
109776	60 (1524)	36 (914)	23 (584)	8.90 (226)	66 (1676)	63 (1600)	.37 (9)

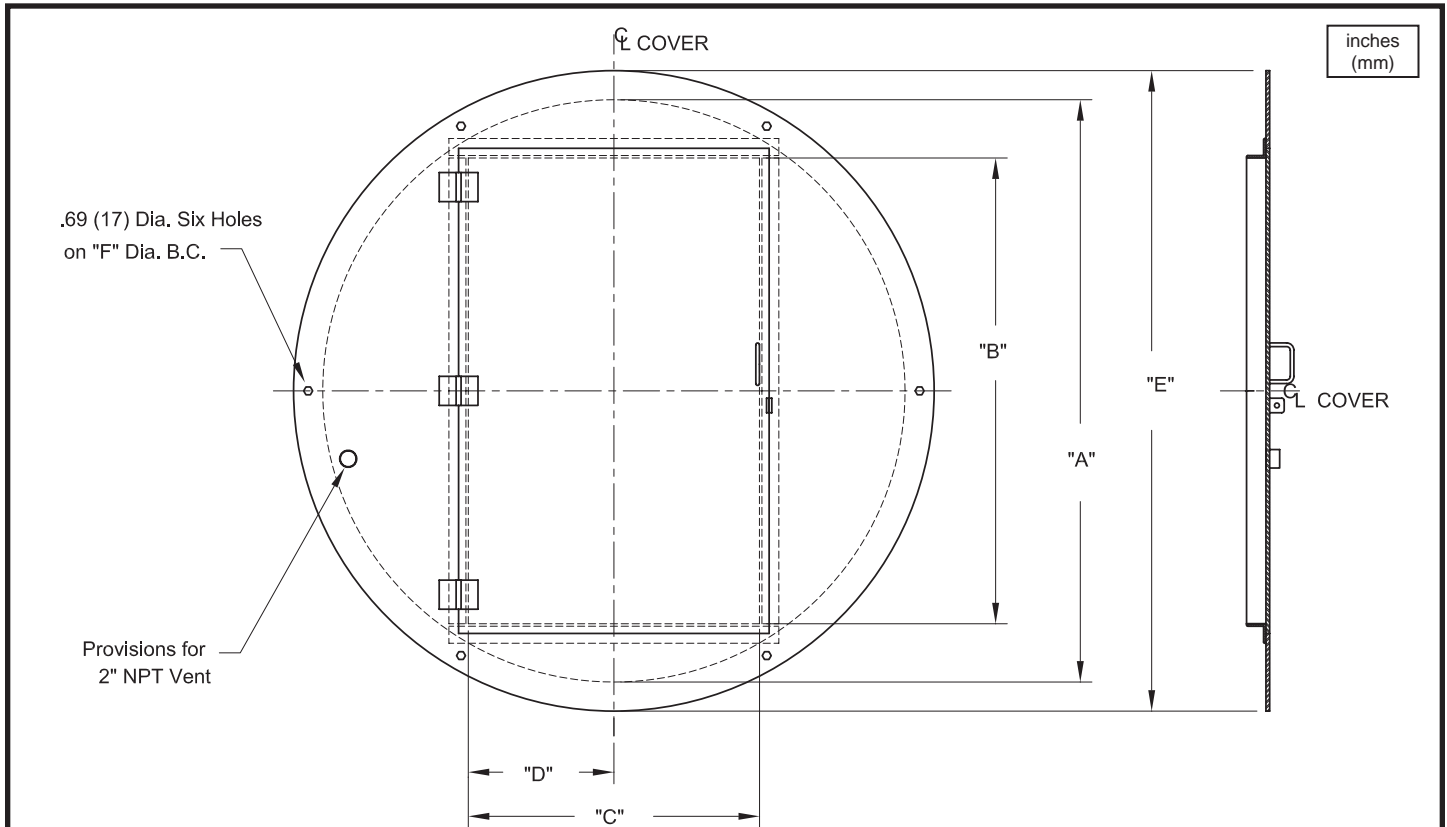
Basin covers have hinged access door, lifting handle, provisions for 2" NPT vent, stainless steel hinges and hardware. Covers have a load rating of 150 lbs/sq. ft. (732 kgs/sq. meter) minimum. Steel cover has Black Powder Coating.

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CRANE
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PART NO.	BASIN DIA. "A"	OPENING "B"	OPENING "C"	"D"	DIA. "E"	B.C. "F"	COVER THK.
101186	60 (1524)	48 (1219)	30 (762)	15 (381)	66 (1676)	63 (1600)	.37 (9)

Steel basin cover comes with hinged access door, lifting handle, locking tabs, stainless steel hinges and provisions for 2" NPT vent. Steel cover has Black Powder Coating.
Covers have a load rating of 150 lbs/sq. ft. (732 kgs/sq. meter) minimum.

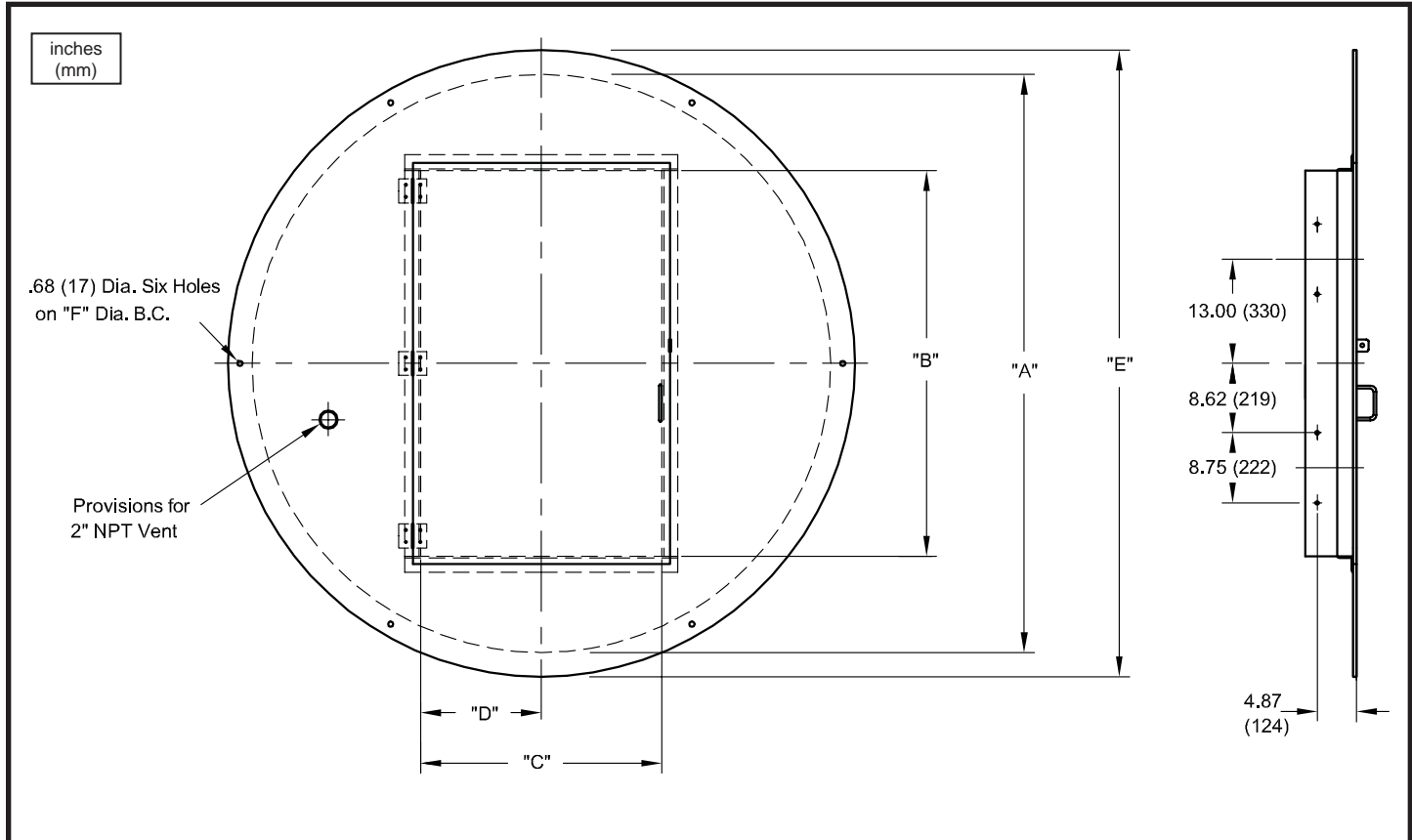
Basin Covers

Steel, Duplex
for BAF-4 and BAF-E4

BARNES®

www.cranepumps.com

Basins & Accessories



PART NO.	BASIN DIA. "A"	COVER DIA. "B"	BOLT CIRCLE "C"	"D"	DIA. "E"	B.C. "F"	COVER THK.
076504	60 (1524)	48 (1219)	30 (762)	15 (381)	66 (1676)	63 (1600)	.25 (6)
074149	72 (1829)	48 (1219)	30 (762)	15 (381)	78 (1981)	75 (1905)	.37 (9)

Basin covers have hinged access door, lifting handle, locking tabs, provisions for 1-1/4" NPT vent, stainless steel hinges and hardware.

Covers have a load rating of 150 lbs/sq. ft. (732 kgs/sq. meter) minimum.

Steel cover has Black Powder Coating.

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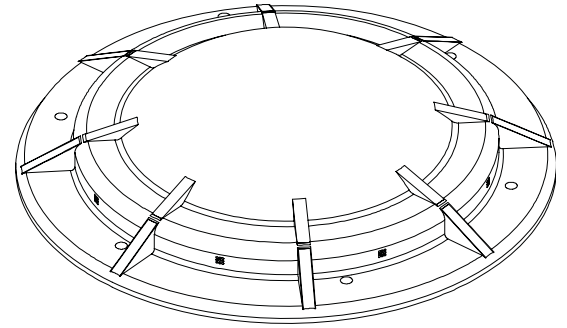
CRANE
A Crane Co. Company

PUMPS & SYSTEMS

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

Specifications:

The cover is a rugged, light weight rotomolded polyethylene grass green cover that is self-venting and engineered to fit all standard 24 inch (610mm) diameter and 30" Reduced basins.



Molded Polyethylene Basin Cover P/N: 101799

For use with 24" Dia. (610) and 30" (762)
Reduced Dia. Basins **ONLY**

Basins & Accessories

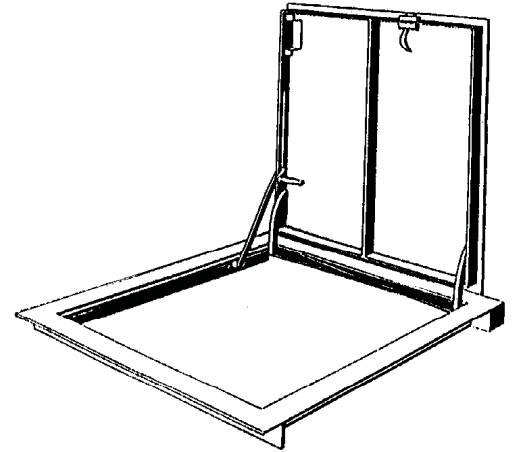
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Specifications:

The single door aluminum (6061T6) access cover is rigidly constructed to provide a 300 lb live load/Square foot (1465 kgs/sq. meter) rating. The frame is of an aluminum extrusion with a continuous door stop and grout lip integral to it. A collection trough with a 1-1/2" NPT drainage coupling located in the front corner shall be an integral part of the extruded frame, and provide the watertight integrity. The frame is of 1/4" (6mm) aluminum.

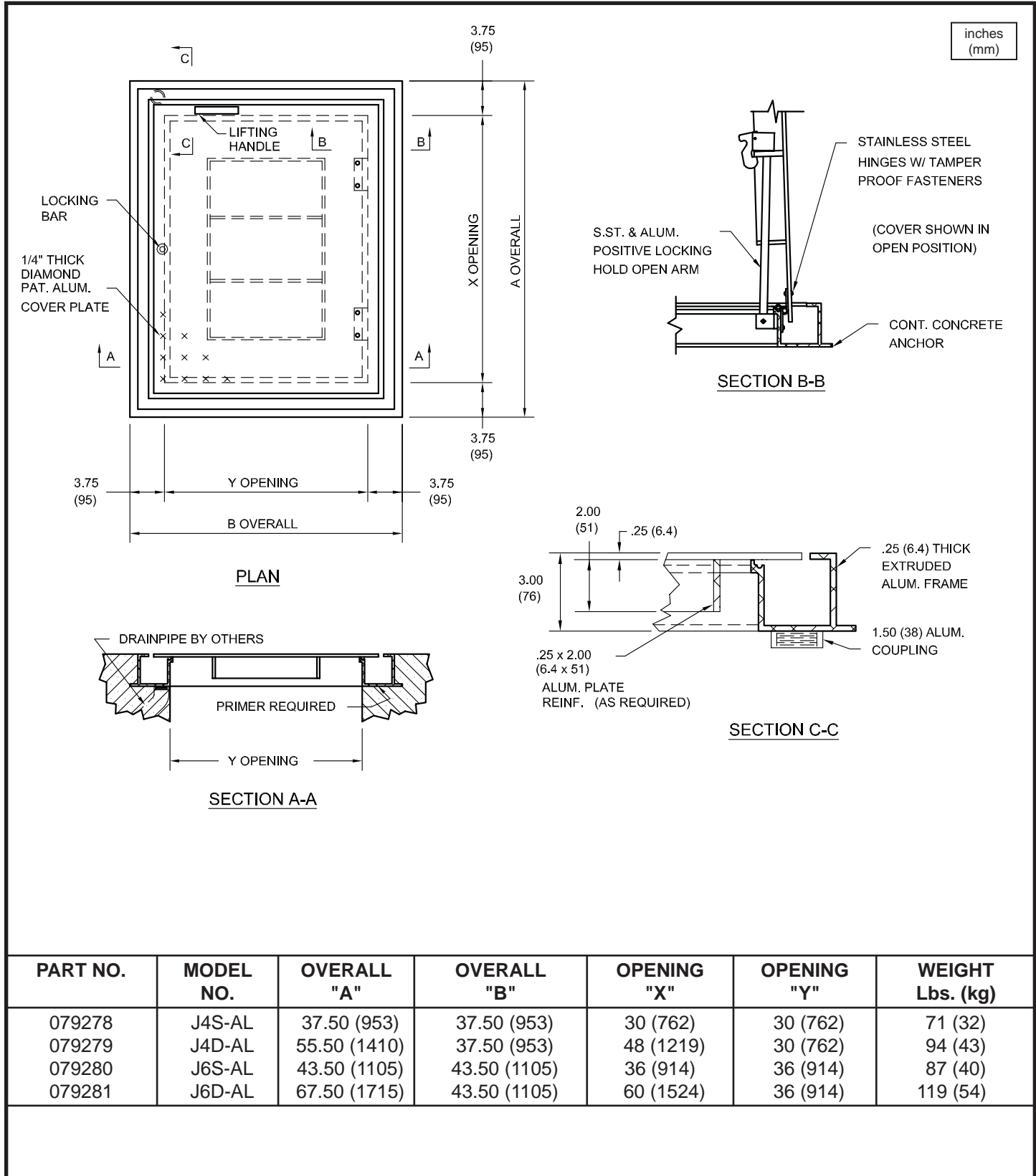
The hinged door is of aluminum tread plate, a minimum 1/4" (6mm) thick, with reinforcing aluminum flat bar. A lock tab for pad locking is provided for securing the door closed. A positive guided open door latch engages automatically when door is fully opened to 90 degrees. The hinges are of 316 stainless steel and attached with stainless steel hardware. The hinges are tamper proof from the outside. The open door latch must be released for closing. A retractable handle is provided on the outside of the door to assist opening and closing.

OPTIONAL EQUIPMENT: Recessed Padlock Hasp, Spring Assist with Slam Lock and Bituminous Coating (concrete exposed surfaces only).



Series: J-AL
300lb, Aluminum
Simplex & Duplex

Basins & Accessories



Specifications:

The single door aluminum (6061T6) access cover is rigidly constructed to provide a 300 lb live load/Square foot (1465 kgs/sq. meter) rating. The frame is of an aluminum extrusion with a continuous door stop and grout lip integral to it. The frame also includes a continuous aluminum angle support for the aluminum structural members of the door and must be totally embedded in the concrete slab, including the angle supports, to maintain the H20 rating. The frame is of 1/4" (6mm) aluminum.

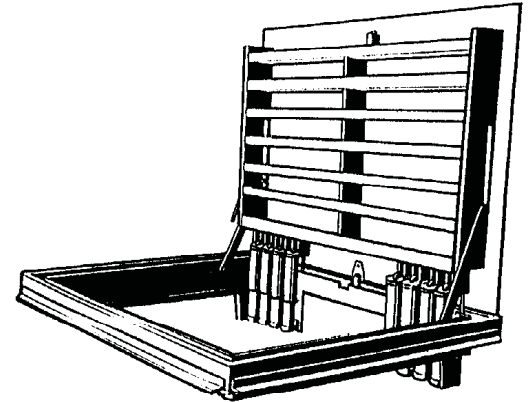
The hinged door is of aluminum tread plate, a minimum 1/4" (6mm) thick. The door must be reinforced with aluminum structural channel members a maximum of 6" (152mm) on center designed to rest directly on the frame support angles when closed. The combination of the tread plate with the structural channels, the frame with the support angles and the encapsulation in the concrete slab provide the H20 rating.

The H20 rating is suitable for off street locations such as driveways, parking lots, etc., and is not intended for areas of high density fast moving traffic.

The hinges are of 316 stainless steel and attached with stainless steel hardware. The hinges are tamper proof from the outside. The open door latch must be released for closing. A lifting handle is provided on the outside of the door to assist opening and closing and will retract flush with the door when not in use. A interior stainless steel slam lock with an interior operating handle and a removable exterior key handle is provided for locking.

The access cover door shall have stainless steel spring assist mechanisms on the door to aid in opening. Each spring unit mounting brackets are rigidly welded to the frame. The spring unit is attached to the mounting bracket and the door with pivot bolts to provide free operation. The number of units per door shall be sufficient to require a maximum of 50lbs. (23kg) of lift to accomplish initial door opening.

OPTIONAL EQUIPMENT: Recessed Padlock Hasp, and Bituminous Coating (concrete exposed surfaces only).



**Series: J-HD, Aluminum
H20, 16,000lb,
Simplex & Duplex**

Basins & Accessories

