

SEPTIC & WASTEWATER TREATMENT SYSTEMS

PRODUCT CATALOGUE







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The Bruiser

This tough tank, made of corrosion and crack resistent components, can be used as a septic tank, holding tank, pump chamber, or cistern for potable water. It comes pre-plumbed and ready for installation up to 30" belowground. Uses native soils for backfill - no water needed, but it is recommended. Accepts 4" effluent filters and also features a watertight, domed, gasketed lid with stainless steel screws.



USG	IG	LTR	Part #	Diameter (in)	Length (in)	Height (in)	Lid/Fill Opening	Weight (lbs)
1000	833	3785	41736 (DC)	60	102	58	2-20	383
1250	1041	4732	41754 (DC)	55	116	66	2-20	468
1500	1249	5678	41774 (DC)	55	133	66	2-20	588

One & Two Chamber Tanks

These environmentally safe & seamless one piece tanks are watertight and unaffected by soil chemicals and gases in sewage. Therefore, they are corrosion-resistant. They come pre-plumbed with PVC inlet and outlet assemblies and fit both 4" SCH 40 and SDR35 piping. Unlike the Bruiser, they cannot be used as pump out tanks and must be kept full at all times, or as soon as possible after pump out.



USG	IG	LTR	Part #	Diameter (in)	Length (in)	Height (in)	Lid/Fill Opening	Weight (lbs)
500	416	1893	41320 (SC)	51	101	42	1-20	174
1000	833	3785	41724 (DC)	60	102	58	2-20	323
1250	1041	4732	41746 (DC)	55	116	66	2-20	388
1500	1249	5618	41764 (DC)	55	133	66	2-20	483



HD Low Profile Belowground

This tough low profile tank, introduced to the North American market in 2012, can be used as a CSA approved septic tank, holding tank, pump chamber, or cistern for non-potable water applications such as rainwater collection, stormwater management or fire protection. Heavy duty and rotationally-molded in one piece, it provides leak-free reliability. Furthermore, they come with the baffle wall and fitting holes already in-place, reducing installation time and effort.

Inlet and outlet tees and pipe seals are included and accept 4" PVC sewer drain piping. Two to 20" diameter access openings and lids accept Norwesco manhole extension, double-wall corrugated pipe and ribbed PVC pipe. Native backfill materials can be used (absolutely no clay or water saturated soils) but a sandy gravel mixture is recommended. May be installed with minimum 6" to max. 36" of cover above top of tank. Contact BARR for advice on deeper burial if required. and refer to installation manual as needed. Water filling these tanks during backfilling, while not absolutely required, is still highly recommended to properly bed the tank and hold it in place. The tank, manway assembly and piping should always be water tested prior to completely backfilling anyway. Tanks may be pumped-out when water table is at or below the bottom of the tank.



USG	IG	LTR	Part #	Diameter (in)	Length (in)	Height (in)	Lid/Fill Opening	Weight (lbs)
1000	833	3785	42406 * +	60	127	51	text	357
1250	1041	4732	43501 * +	60	157	51	text	423
1500	1249	5678	43502 * +	69	157	51	text	581



Poly Low Profile Tanks

This low-profile tanks is an ideal solution for wastewater or water storage where a burying depth is restricted or you have a need for a low footprint. Most of the low-pro tanks can be used both above and below ground and have excellent structural strength - check with a BARR tank specialist for which models are designed for below ground use. Risers, lids, vents and various fitting options available through BARR.



USG	IG	LTR	Part #	Diameter (in)	Length (in)	Height (in)	Lid/Fill Opening	Weight (lbs)
2000	1600	7570	42559	98	126	53	text	N/A
2500	2100	9464	42119	98	158	53	text	850
2520	2100	9464	44080	98	158	53	text	850
3525	2935	13340	44390	102	211	51	text	N/A
5025	4184	19021	44876	102	211	73	text	N/A

Heated/Insulated Low Profile Tanks

Our custom made insulated & heated chemical, sewage, and water holding tanks are intended for above-ground outdoor to provide freeze protection as outside temperatures drop. These tanks can be fitted with level alarms, pumps, and pump control devices to fit your application. We'll work with you to produce the best tank for your needs.





Tank Accessories

Part #	Dimensions	Description
63514 *	6" H x 20" D	Manhole Extension
63832 +	6" H x 20" D	Manhole Extension
62397 *	15" H x 20" D	Manhole Extension
63833 +	15" H x 20" D	Manhole Extension
62396 *	24" H x 20" D	Manhole Extension
62395 *	25" H x 12" H riser pipe	Lid & Riser Combo
63831 +	23" H x 12" D	Lid Riser, Offset
62408	20"	Septic tank lid with gasket
63672 +	20"	Septic tank lid without gasket
63839 +	20"	Self adhesive rubber gasket for lid #63672
61765	4"	SDR35 or SCH40 pipe seal
62406	14" x 1-1/4"	SS self-tapping screw
63879	14" x 1-3/4"	SS self-tapping screw
62942	20"	Ethafoam gasket for extensions/risers
63151	4"	Septic adapter SDR35 with nut & EPDM gasket. 10" OAL and extends 8.5" into tank.
63152	4"	Septic adapter SCH40 with nut & EPDM gasket. 10" OAL and extends 8.5" into tank.
63153	8" O.D / 5.5" I.D.	EPDM gasket for septic adapters 63151 & 63152

- * = Suited for Bruiser, One & Two Chamber and standard low profile septic tanks
- + = Suited for HD low profile tanks







Fibreglass Tanks

For large commercial projects, our fibreglass tanks can be custom configured exactly as you require. Contact us today!

USG	IG	LTR	Part #	Diameter (ft)	Length	Weight (lbs)
5349	4455	20250	634-603 *	6	27′ 8″	1587
5400	4165	20440	634-606 *	8	16′ 8″	1477
6619	5511	25055	634-604 *	6	33′ 9″	2094
6643	5531	25146	634-607 *	8	28′ 12″	2480
8168	6801	30920	634-605 *	6	41′ 1″	1829
8110	6750	30701	634-608 *	8	23′ 8″	2115
9282	7728	35138	634-609 *	8	26′ 8″	2335
10126	8430	38327	634-616 *	10	18′ 11″	2760
10808	8999	40913	634-610 *	8	30′ 7″	2690
11139	9275	42186	634-617 *	10	20′ 8″	3681
11967	9965	45300	634-618 *	10	22′ 1″	4035
12108	10082	45833	634-611 *	8	33′ 12″	1036
13254	11036	50172	634-612 *	8	36′ 11″	3505
13368	11131	50603	634-619 *	10	24′ 5″	4343
14530	12100	53586	634-613 *	8	40′ 3″	3615
14327	11929	53234	634-620 *	10	26′ 1″	4684
16103	13408	60956	634-614 *	8	44′ 4″	3990
16032	13349	60688	634-621 *	10	28′ 12″	5027
16840	14022	63746	634-622 *	10	30′ 4″	5401
17418	14505	65934	634-615 *	8	47′ 8″	4343
19123	15923	72388	634-623 *	10	34′ 2″	5776
20045	16690	75879	634-624 *	10	35′ 9″	5997
21383	17805	80943	634-625 *	10	38′	6592
23409	19492	88613	634-626 *	10	41′ 5″	6922
24231	20177	91724	634-627 *	10	42′ 10″	7253
25251	21025	95585	634-628 *	10	44′ 7″	7584
26700	22232	101071	634-629 *	10	47′ 1″	7893
30088	25053	113895	634-630 *	10	52′ 9″	8708



The Carat S

With high stability and strength, these German-engineered Carat S tanks by GRAF exceed industry standards. You'll love them for their versatility, ease of installation and use, and low shipping and operating costs. Use the Carat S as a septic tank, pump chamber, or wastewater treatment system. These belowground Carat S tanks are also ideal for rainwater harvesting and stormwater retention/detention. The groundwater stable tanks feature long-lasting water-tightness, thanks to a circumferential profile gasket, and they are suitable for vehicle loading.







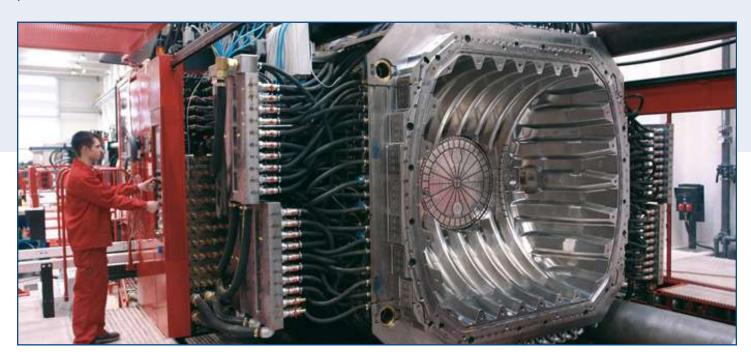
USG	IG	LTR	Part #	Diameter (in)	Length (in)	Height (in)	Lid/Fill Opening	Weight (lbs)
700	583	2700	372024	61	82	55.1	31.5	265
1000	833	3750	372025	69	90	62.6	31.5	331
1250	1041	4800	372026	78	90	71.7	31.5	408
1700	1415.5	6500	372027	86	94	82.7	31.5	485



The Carat S

Unique Manufacturing Process

The GRAF Carat S tank range is produced using a method that is as yet unique for tanks of this size. The injection compression process gives the products an incomparable stability – all Carat S underground tanks are suitable for vehicle loading and can be installed in groundwater up to the middle of the tanks. Additionally, the new method guarantees that the components will fit; a result that cannot be achieved with conventional production methods.





Superior Shipments

The Carat S consists of two half shells, which can be stacked one on top of the other for convenient, cost effective shipping, with 5 to 9 tanks per pallet. Thanks to this unique product design, you are able to ship up to 8 times more tank volume per load.



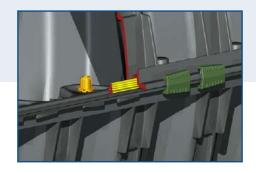
The Carat S

Flush With Ground Level (2 Seals)

The Carat S underground tank has numerous seals to stop dirt & seepage water from getting into the tank effectively. The seals are in the intersection between the tank and the tank dome and between the tank dome and the telescopic dome shaft. All supplied pipes connected to the tank dome are also sealed with five lip seals as standard.



Encircling Stabilization Ring



Thanks to the additional ribbing, the Carat S underground tank suffers no significant warping even under extreme loads. Therefore, the Carat S underground tank is suitable for vehicle loading up to a total weight of 3.5 tonnes, groundwater-stable up to the middle of the tank and can be installed with an earth covering up to 47". Additionally, the encircling H profile acts as a convenient carry handle for transport and as a tread when fitting the tank dome.

Ribbed Tank Base

The tank base of the Carat S underground tank is extremely stable thanks to its numerous ribs. These enable the Carat S to be installed in groundwater up to the middle of the tank. Furthermore, the stable base means the tank is very robust for transportation to site.



Baffles Easily Installed

Separate the Carat S into two or three chambers as desired. Since the tank comes in two half shells, it's easy to insert the baffle while assembling the second half of the tank. A profile seal provides reliable and permanent separation of the chambers so you can use the tank as a housing for an efficient wastewater treatment system.



The Carat S

Dome Shaft Options

Mini telescopic dome shaft | Part #371010

This riser is adjustable from 29" to 37" earth cover above the tank and can be tilted by 5 degrees. Designed to allow pedestrian loading, it includes a polypropylene cover with a childproof lock. Colour: Grass Green. Length: 14.2", Inner diameter: 23.6", Outer: 30.6", weight: 13 lbs. This well thought out cover for the Carat S underground tank is ideal for garden use.



Maxi telescopic dome shaft | Part #371011

This riser is adjustable from 29" to 41" earth cover above the tank. Designed to allow pedestrian loading, it includes a polypropylene cover with a childproof lock. Colour: Grass Green. Length: 18.7", Inner diameter: 23.6", Outer: 33.5", weight: 29 lbs. It serves as the sturdy cover for the Carat S underground tank, ideal for household use.



Cast iron telescopic dome shaft | Part #371020

For vehicle loading - with class B cast iron cover. Infinitely variable from 31" - 41" earth covering over the tank. Length: 18.7", Inner diameter: 23.6", Outer: 33.5". For use in the home and garden where the tank is flush with the ground.



Extension | Part #371003

Length: 19.7", 27.6". An earth covering of 59" maximum can be implemented when using the extension and the telescopic dome shaft. This extension is ideal for use with the basic Carat S tank with an earth covering of 40".





Pump Chambers & Lift Stations

Poly Pump Chambers

Pump chambers house a submersible pump(s) for situations where pressurized discharge of the effluent is required. They are designed for intermediate, mid-capacity collection of raw sewage, drainage water and other wastewater effluents.

BARR can prefit and pre-assemble your pump chamber with pumps, fittings, piping, valves, float switch brackets and float switches, risers and other fixtures as required.

If the pump chamber is installed in an area where high water ever exists, they should be anchored. It is suitable for 3' of burial depth (above top surface of tank). All poly septic and sewage holding tanks (except the standard yellow septic tanks) may also be used for larger capacity pump chambers, up to 2,500 USG.



USG	IG	LTR	Part #	Diameter (in)	Weight (lbs)
300	250	1136	41319	54	129
500	417	1893	40785	64	179
850	625	2839	AST-0850-1W	60	259



Pump Chambers & Lift Stations

Custom Chambers

Heavy Duty Plastic Sump & Pump Chambers

Minimize work on site with our pre-packaged heavy duty plastic systems. Capacities range from 30" diameter and approximately 100 gallons up to 48" diameter and approximately 1000 gallons. A variety of features and fixtures are available such as bottom anti-floatation flanges, threaded, slip and stub style fittings in plastic or stainless steel, rubber pipe seals, lid and hatch options; and all internal fixtures, pumps, fittings, piping and controls. If you prefer to handle your own assembly and installation, we can supply you with a complete package of all the components required. Up to 2" pump systems are currently available.



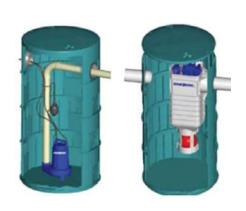


Commercial Fibreglass Pump Chambers

Our fibreglass chambers provide another reliable solution to your pump housing needs. Custom made from BARR, we will work with you to add any additional fittings or components you require. We can also provide you with the components of the system to assemble yourself. Up to 2" pump systems are currently available.

Modular Plastic Sump & Pump Chambers

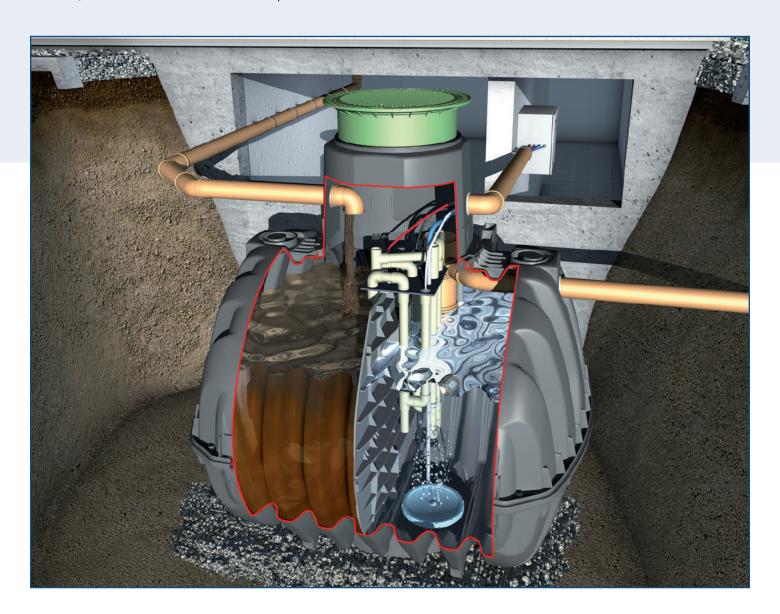
Our custom-made modular pump, filter and sump basins are perfect for installing an effluent filter or pump outside the tank or for collection and pumping of water and wastewater from a lower location to a higher one for use or disposal. Made from high density polyethylene, the basins won't break down in the harsh septic environment. We guarantee they will be watertight when installed correctly! These modular chambers accept all 2", 3", 4", SDR 35, SCHD. 40 & corrugated pipe.





The KLARO E Pro

With SBR lifting technology, the GRAF KLARO E Professional Wastewater Treatment System requires no live parts to be installed in the tank. All movement processes are performed by three air lift pumps, which are operated using a compressor. The compressor also provides the plate ventilator on the bottom of the SBR reservoir with air. The compressor and all other technical components are low maintenance and stored in a switch cabinet, which can be installed in the plant room of the house.





The KLARO E Pro

No Live Technology in the Reservoir

No consistent integration of live technology is needed in the tank. All movement processes are performed by an air compressor, built into the KLARO system control. The distribution of air in the individual pump processes is realized via the control. The air compressor is very durable and whisper-quiet.

Simple Installation

The air pressure hoses of the reservoir and the corresponding connections to the system control are colour-coded to avoid installation errors. Already fitted to the carrier system at the factory, the whole system just needs to be fitted to the baffle of the reservoir. Thanks to the KLARO E Professional carrier system, the purifying technology is extremely fast to install (one-reservoir system).

Flexible

The KLARO can be flexibly adjusted to changing conditions by altering the cycle times. The system can also be switched to holiday mode. The aeration automatically adjusts to the load with the convenience package.

Low Maintenance

The compact switch cabinet for system control with air compressor and valve unit is installed in the plant room of the house and requires little maintenance. The LCD display shows the operating hours of the individual devices. Any power failure is indicated with a visual and audoio alarm. All components installed in the switch cabinet are arranged in such a way that they can be exchanged easily.





The KLARO E Pro

Annual Power Consumption of Wastewater Treatment Systems

No consistent integration of live technology is needed in the tank. All movement processes are performed by an air compressor, built into the KLARO system control. The distribution of air in the individual pump processes is realized via the control. The air compressor is very durable and whisper-quiet.





The KLARO E Pro

Choose from one- and two-reservoir systems

One-Reservoir System

Max Inhabitants	USG	IG	LTR	Daily Flow (LPD)	Length (in)	Height (in)	Weight (lbs)
5	713	594	2700	750	82	79	309
8	990	820	3750	1200	90	87	385
10	1270	1050	4800	1500	90	96	485
14	1720	1430	6500	2100	94	107	585

Two-Reservoir System

Max Inhabitants	USG	IG	LTR	Daily Flow (LPD)	Length (in)	Height (in)	Weight (lbs)
10	1420	1190	5400	1500	90 (x2)	79 (x2)	430
16	1980	1650	7500	2400	90 (x2)	87 (x2)	660
22	2540	2100	9600	3300	90 (x2)	96 (x2)	820
28	3430	2860	13000	4200	94 (x2)	107 (x2)	970

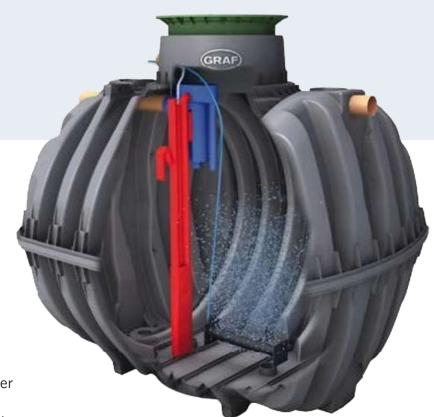
Cleaning Performance Values

Wastewater Parameter	Cleaning performance	Efficiency Factor
Chemical Oxygen Demand	48 mg/l	92.30%
Biochemical Oxygen Demand	6 mg/l	97.50%
Ammonium Nitrogen	8.3 mg/l	75.80%
Total Suspended Solids	7 mg/l	96.70%



The One2Clean

A reliable wastewater disposal system no longer needs to be complicated. With the One2Clean, you'll be able to take responsibility for the timely disposal of your wastewater while taking care of your budget and the environment. The One2Clean is an advanced development of the proven SBR wastewater treatment technology, with considerable advantages in terms of operating costs and safety.



Main Features

- Only ONE tank with only ONE chamber required
- Less energy consumption and less wear
- No mechanical elements in the wastewater
- No pumps in the wastewater
- No electrical components in the wastewater
- Incredibly little sewage sludge-aeration of entire wastewater tank
- Minimum maintenance costs cimple construction, high quality components
- Minimum power consumption only 75 kWh per person, per year
- Tank comes in two stackable pieces for low-cost transportation
- Odourless. The entire system is immediately activated with oxygen using unique One2Clean technology.



The One2Clean

One2Clean Setting-Up Kit

Unlike conventional wastewater treatment systems which use up to three pumping processes, the One2Clean only requires one. This saves energy and extends the lifetime of the air compressor - the core part of the system.

The rugged clear water lifter is manufactured in one seamless piece; no connectors or screws are necessary. The unit requires only simple maintenance via an integrated, self-cleaning sampling container.





One2Clean System Control

- Compact designed controller
- Simple operation and maintenance
- Ultra quiet, thanks to silent diaphragm compressor
- Automatic power failure detection



The One2Clean

3 Steps to Produce Clear Water

The One2Clean conveniently needs only 3 steps to produce clear water:



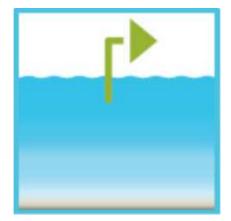
1. Wastewater Treatment

The wastewater arrives directly in the biological zone without the need for pumping processes. Aeration of the entire container leads to immediate wastewater activation. The micro-organisms begin the biological cleaning process without delay.



2. Settling Phase

Aeration is interrupted by the control unit and the activated sludge sinks to the bottom. A clear water zone develops in the upper part of the container.



3. Clear Water Extraction

The treated clear water is extracted from the system and the cleaning process can begin once more.



The One2Clean

Choose from one- and two-reservoir systems

One-Reservoir System

Max Inhabitants	USG	IG	LTR	Daily Flow (LPD)	Length (in)	Height (in)	Weight (in)
3	700	590	2700	450	66.5	81.9	385
5	990	820	3750	750	74	89.8	485
7	1270	1050	4800	1050	83	89.8	585
9	1720	1430	6500	1350	94.1	89.8	585

Two-Reservoir System

Max Inhabitants	USG	IG	LTR	Daily Flow (LPD)	Length (in)	Height (in)	Weight (in)
3	700	590	2700	450	66.5	81.9	385
5	990	820	3750	750	74	89.8	485
7	1270	1050	4800	1050	83	89.8	585
9	1720	1430	6500	1350	94.1	89.8	585

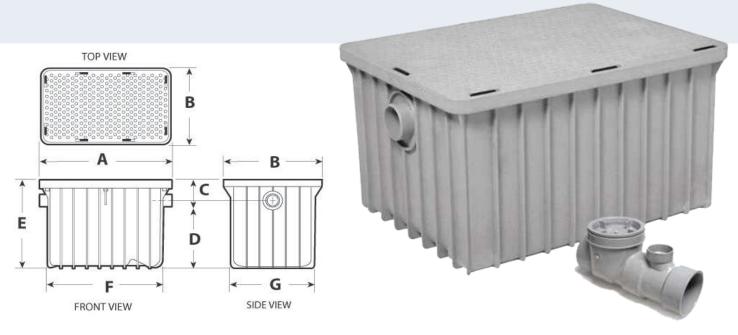
Cleaning Performance Values

Wastewater Parameter	Cleaning Performance	Efficiency Factor
Chemical Oxygen Demand	26 mg/l	96%
Biochemical Oxygen Demand	5 mg/l	99%
Ammonium Nitrogen	0.4 mg/l	99%
Total Nitrogen	13 mg/l	79%
Total Suspended Solids	6 mg/l	98%



Interceptor Tanks

This grease separation unit serves as a compact, durable and user-friendly solution for restaurants and many other applications. The injection molded one-piece tank eliminates seams and potential leaking and can be installed in-floor, on-floor or semi-recessed. It is connected using mechanical joint couplings, allowing for use of various piping materials. Lightweight and strong, they weight up to 60% less than directly equivalent metal competitors, offering ease of installation, transport and storage. Plus, it will support up to 440 lbs or pedestrian and light suty traffic and can withstand continuous discharge at 104 degrees Celsius.

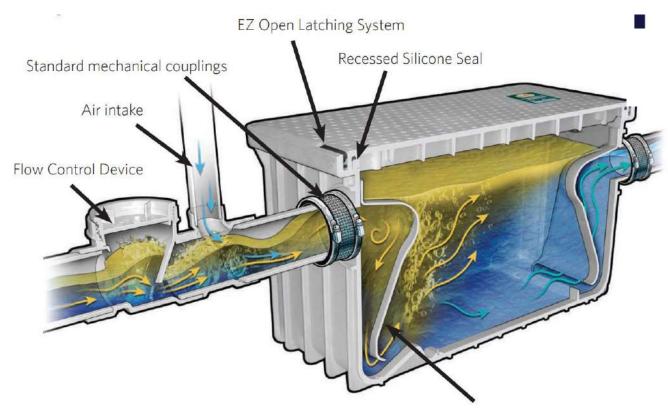


USG/Min (GPM)	Litres/Min (LPM)	Capacity (lbs)	Part #	Connection Size (in)	A (in)	B (in)	C (in)	D (in)	E (in)
15	56	30	3915A02C	2	14.5	17.5	3.5	12.8	16.3
20	76	40	3920A02C	2	23.6	17.5	3.5	12.8	16.3
25 LO	94	50	3925A02LO	2	31	23.5	4	7	11
25	94	50	3925A02/ 3925A03	text	23.6	17.5	4.1	12.2	16.3
35	132	70	3935A03/ 3935A04	text	31	23.5	5	12.5	17.5
50	189	100	3950A03/ 3950A04	text	31	23.5	5	18.5	23.5

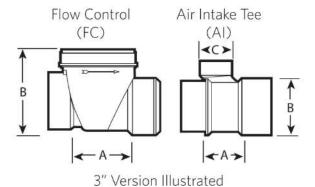


Did You Know?

Sewer authorities and building owners spend millions of dollars every year combating grease accumulation in plumbing systems. Grease accumulation causes sewer blockages and overflows. These overflows are a health risk to you, your employees, your customers, and the general public. Injection molded in engineered thermoplastic, the Endura Grease Interceptor provides restaurant operators the best value and performance on the market today.



Patented Baffle Design



Size (in)	A (in)	B (in)	C (in)
2" SxS - FC	3	3.84	-
3" SxS - FC	4.23	5.93	-
4" SxS - FC	6.13	6.84	-
2" SPGxH - AI	2.91	2.71	2.24
3" SPGxH - AI	2.67	4.01	2.27
4" SPGxH - AI	3.19	5.04	2.72



Inline Drain Strainers

Installed on individual sink wastes in kitchen and sanitary applications, Inline Drain Strainer (IDS)by BARR prevents food debris, hair, lint and similar solid material from entering the drainage system, causing restriction and blockage. Manufactured in both BAS and PVC, the Inline Drain Strainer is based on the proven design of a dru mtrap, offering complete flexibility of installation either horizontal or vertical, the outlet being able to be set anywhere in a 360° range. Fitted in conjunction with or in place of a p-trap, the Inline Drain Strainer can be used in applications where space is at a premium, providing ease of access to the end user. As a development of a speciality plumbing fitting, dimensionally the Inline Drain Strainer is manufactured in accordance with the performance and dimensional requirements of North American plumbing systems.

Unlike competitive products the body of the Inline Drain Strainer is supplied "loose-assembled" by BARR. This means that when it comes to installation the installer retains the full benefit of being able to orientate the outlet to suit the installation, only solvent welding the main joint when the Icoation and orientation have been confirmed. Be it a domestic or commercial application, these four images show typical IDS installation.

The filter screen, assembled as an integral part of tje access cap, has 10 times the open area of the inlet and outlet connections extending the interval of cleaning and providing easy, non-contact removal of captured debris. Simply unscrew, withdraw, tap and replace - one more way you can "Raise the BARR" in your unique project!







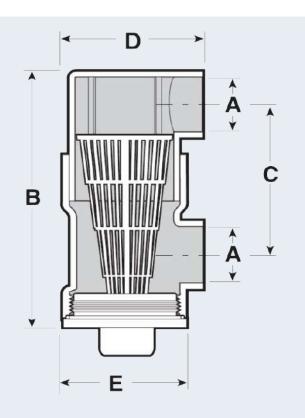


Inline Drain Strainers

Applications include:

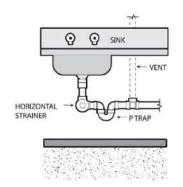
- Domestic and Commercial Kitchens
- Hair and Beauty Salons
- Barber Shops
- Pet Grooming Parlours
- Healthcare Facilities
- Dormitories/Motels

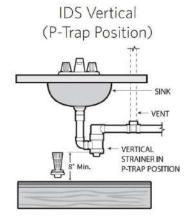
Part Number	Material	A (in)	B (in)	C (in)	D (in)	E (in)
393243A	ABS	1.5	9.1	4.9	4.3	3.9
393243AW	PVC	1.5	9.1	4.9	4.3	3.9

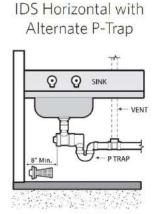


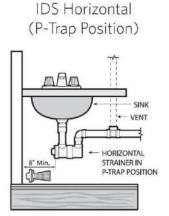
Typical Installations

IDS Horizontal with P-Trap









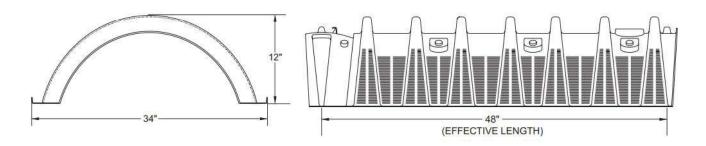


Septic & Drainfield Infiltrators

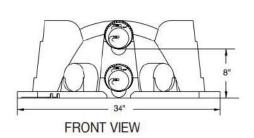
Quick4 Standard Chambers

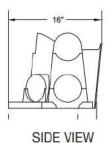
The Quick4® Standard Chamber fits in a 36" wide trench and is ideal for curved or straight systems. It features the patent-pending Contour Swivel Connection™ which permits turns up to 10°, right or left. The MultiPort™ endcap allows multiple piping options and eliminates pipe fittings. The chamber's four-foot length provides optimal installation flexibility.

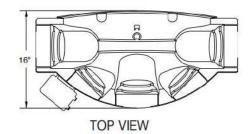
Part #	Description	Dimensions (in)
Q4STD	Quick4 Standard Chamber	53L x 34W x 12H
Q4STDE	Quick4 Standard Multi-Port End Cap	34W



The MultiPort end cap includes benefits such as tear-out seals on inlet ports to provide a tight fit to the pipe, as well as eight molded-in inlets/outlets to allow for maximum piping flexibility. The MultiPort Endcap eliminates pipe fittings and fits on either end of the Quick4 Standard Chamber.







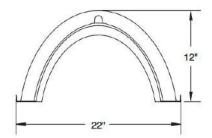


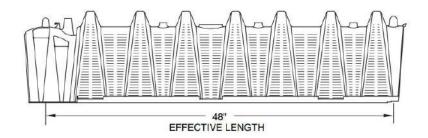
Septic & Drainfield Infiltrators

Quick4 Equilizer Chambers

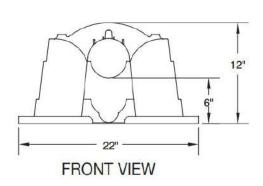
The Quick4® Equalizer 36 Chamber fits in a 24" wide trench and is ideal for curved or straight systems. It features the patent-pending Contour Swivel Connection™ which permits turns up to 10°, right or left. The MultiPort™ endcap allows multiple piping options and eliminates pipe fittings. The chamber's 4' length provides optimal installation flexibility.

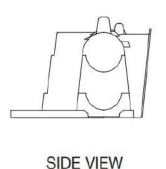
Part #	Description	Dimensions (in)
Q4EQ36	Quick4 Equalizer Chamber	53"L x 22"W x 12"H
Q4EQ36E	Quick4 EqualizerMulti-Port End Cap	22"W

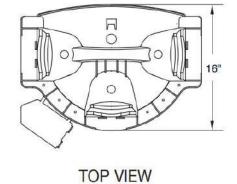




The MultiPort end cap fits on either end of the Quick4 Equalizer 36 Chamber and allows multiple piping options. Six moldedin inlets/outlets allow for maximum piping flexibility. Patent-pending tear-out seals on inlet ports provide a tight fit to the pipe, eliminating pipe fittings and making looping ends easy.









Septic & Drainfield Infiltrators

EZ Flow Systems

Manufactured from recycled materials, these lightweight EZ Flow Drainfield Systems come in bundles that can be hand-carried into position, making them quick to install and saving costs on heavy machinery and labour. Their modular construction allows configurations to match trench dimensions for most system shapes and sizes. Their flexible design gives them the ability to contour along sloped sites and around trees or landscaping.

The EZ Flow is available in a wide variety of diameters and configurations to meet any installation professional's needs. Engineered for optimal storage and absorption efficiencies, the EZ Flow provides easier cleanup at the job site with the elimination of stone. It is approved in many jurisdictions with an increased efficiency rating, reducing drainfield size. It also proves useful for foundation and other drainage applications.



Part #	Description	Dimensions (in)
1201P-GEO-SEP	Drainfield Pipe In Synthetic Aggregate w/ Geo Cloth Cover	12" D x 10' L
1203H-GEO-SEP	Drainfield Pipe (In Center Section) In Synthetic Aggregate w/Geo Cloth Cover	12" D x 10' L
AC-COUPLER-4	EZ Flow 4" Coupler	Connects 10' Sections
AC-PLUG-4	EZ Flow 4" End Plug	N/A



AY Macdonald - Sewage & Effluent Pumps

With high torque capacitor start motors, these rugged, cast iron submersible pumps from AY McDonald are ideal for residential and light commercial wastewater applications. Additional features include upper and lower ball bearings, 2" NPT vertical discharge, vortex impellers, stainless steel fasteners and a motor shaft, oil-filled motors (non-toxic oil) and an integrated clip for float switch cables. Choose the pump that suits your application best: available with or without piggyback float switch.

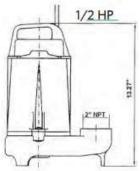


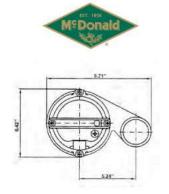


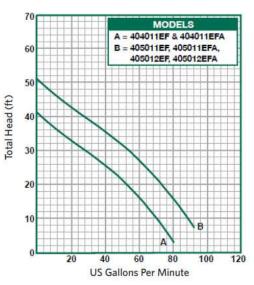
AY Macdonald Effluent Pumps

Part #	НР	Max. PSI / Head	GPM / LPM	Outlet Size	Liquid Temp.	Electrical volt/amp/ PH	Seal Type	Solid Handling (in)	Impeller Type
405011EF	1/2	120/52	86/326	2" Vert NPT	60C / 140 F	115 / 13.2 / 1	Carbon Ceramic	3/4	Plastic
405012EF	1/2	120/52	86/326	2" Vert NPT	60C / 140 F	230 / 6.6 / 1	Carbon Ceramic	3/4	Plastic
405011EFH	1/2	164/71	50/189	11/4" Hor. NPT	60C / 140 F	115/15/1*	Double Carbon Ceramic	5/8	Contra Block
405012EFH	1/2	164/71	50/189	11/4" Hor. NPT	60C / 140 F	230 / 7.5 / 1*	Double Carbon Ceramic	5/8	Contra Block









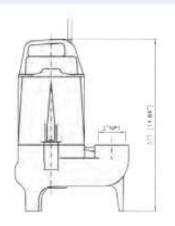
Motor Data, 60 Hz

Part #	Phase	Rated Output Power	Volts	Full Load Amps	Locked Rotor Amps	Power Fac- tor 100% Load	Motor Effi- ciency 100% Load	Pole/ Speed (RPM)	Float Included
405011EF	1	0.5 HP	115	13.2	58.5	0.85	50	2/3450	No
405012EF	1	0.5 HP	230	6.6	35.2	0.85	50	2/3450	No

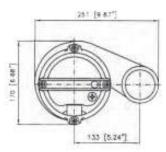


AY Macdonald Sewage Pumps

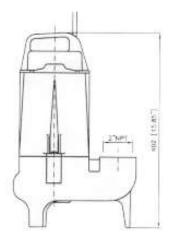
Part #	НР	Max. PSI / Head	GPM / LPM	Outlet Size	Liquid Temp.	Electrical volt/amp/ PH	Seal Type	Solid Handling (in)	Impeller Type
404011SJ	4/10	42/18	100/379	2" Vert. NPT	60C / 140 F	115 / 6.6 / 1	Ceramic Carbon	2	PBT
404011SJA	4/10	42/18	100/379	2" Vert. NPT	60C / 140 F	115 / 6.6 / 1	Ceramic Carbon	2	PBT
405011SJ	1/2	58/25	140/530	2" Vert. NPT	60C / 140 F	115/10.6/1	Ceramic Carbon	2	PBT
405012SJ	1/2	58/25	140/530	2" Vert. NPT	60C / 140 F	230 / 5.3 /1	Ceramic Carbon	2	PBT



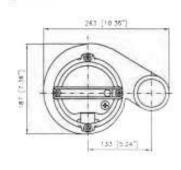








1/2 HP

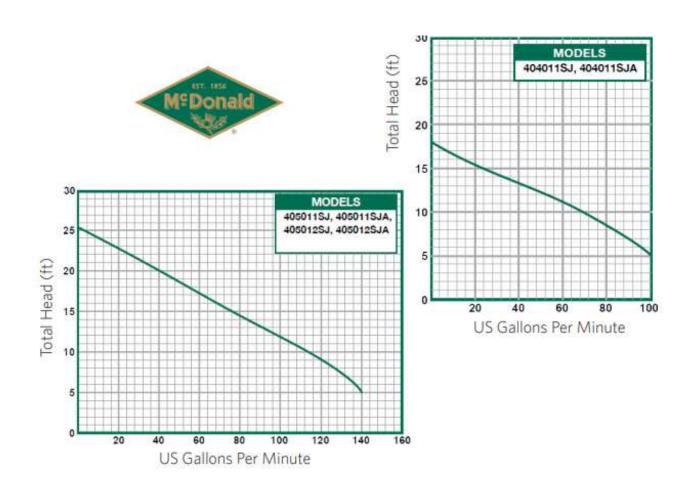




AY McDonald Sewage Pumps

Motor Data, 60 Hz

Part #	Phase	Rated Output Power	Volts	Full Load Amps	Locked Rotor Amps	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (RPM)
404011SJ	1	0.4 HP	115	6.6	17.7	0.92	57	4/1750
404011SJA	1	0.4 HP	115	6.6	17.7	0.92	57	4/1750
405011SJ	1	0.5 HP	115	10.6	21.4	0.87	59	4/1750
405012SJ	1	0.5 HP	230	5.3	10.5	0.87	59	4/1750



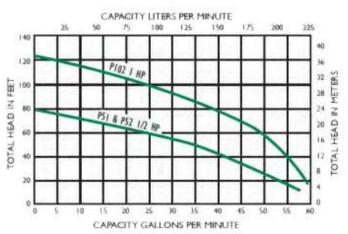


Myers Effluent Pumps

The P Series

The Myers Effluent P-Series pumps are designed for years of maintenance-free, reliable operation. A single-vane, enclosed impeller provides a steep, non-overloading performance curve for pressure collection and S.T.E.P. systems, outperforming most pumps in its class. Plus, the enclosed impeller eliminates the possibility of jamming or corrosion between impeller and volute. The pumps feature high-torque, permanent split capacitor (PSC), single-phase motors; no starting switched or relays to wear out. The pumps are oil-filled to provide maximum heat dissipation and continuous bearing lubrication. Provided a double tandem seal configuration for extra motor protection, you'll have a pump that will conquer tough effluent pumping applications.

Additional features include optional seal leak probes to warn of seal leak condition, helping prevent costly motor damage. The pump also has on-winding current and temperature-sensitive overload to protect against costly burnout. If wear should ever occur, the volute seal ring is replaceable to restore pump to original performance. The motor is held in place by 4 screws so it is easily removed if service is ever needed.





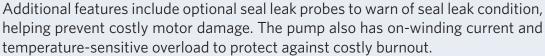
Myers



Myers Effluent & Drainage

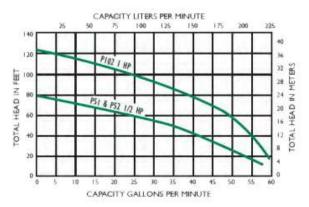
The ME Series

The Myers Effluent and Drainage ME Series pumps feature high-efficieency, two-vane, enclosed impellers. These provide ideal performance for efficient dosing and eliminate the possibility of jamming or corrosion between impeller and volute. The pumps feature high-torque, permanent split capacitor (PSC), single-phase motors; no starting switches or relays to wear out. The pumps are oil-filled to provide maximum heat dissipation and continuous bearing lubrication.



If wear should ever occur, the volute seal ring is replaceable to retore pump to original performance. The motor is held in place by 4 screws for easy removal if service is needed.





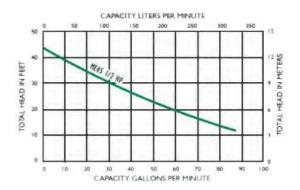
Part #	Motor Type & HP	Max PSI/ Head	GPM/ LPM	Outlet Size (in)	Liquid Temp.	Electrical volt/ amp/PH	Solid Handling (in)
ME50	1/2 HP, 3450 RPM, 60 Hz	53 ft	90 GPM	3/4	60 C Max	P1 120/115V, 230V, P3 208/230/460/575V	3/4
ME75	3/4 HP, 3450 RPM, 60 Hz	63 ft	100 GPM	3/4	60 C Max	P1 230V, P3 208/230/460/575V	3/4
ME100	1 HP, 3450 RPM, 60 Hz	84 ft	113 GPM	3/4	60 C Max	P1 230V, P3 208/230/460/575V	3/4
ME150	1-1/2 HP, 3450 RPM, 60 Hz	95 ft	120 GPM	3/4	60 C Max	P1 230V, P3 208/230/460/575V	3/4



Myers Effluent & Drainage

The ME45 Series

The ME45 Series pump features a high-torque, permanent split capacitor (PSC) motor with no starting switches or relays to wear out. This rugged-built, oil-filled motor offers continuous bearing lubrication and maximum heat dissipation. It comes with heat sensor overload protection with an automatic reset when motor cools to a safe operating temperature. The pump is heavy duty, upper and lower ball bearing and features a type 6 seal for added pump life.





The ME40 Series

The enclosed design of the ME40 Series pump allows for high-efficiency pumping with no possibility of jamming between impeller and volute. The durable oil-filled motor will deliver many years of reliable service as it allows for maximum heat dissipation and continuous bearing lubrication.

The pump is heavy dity, lower ball bearing and features a type 6 seal for added pump life. Additionally, the positive sealing, quick-connect float and switch cords make replacement simple is service is ever necessary. The field-tested, wide-angle, mercury-free mechanical float switch provides maximum drawdown (automatic models only).





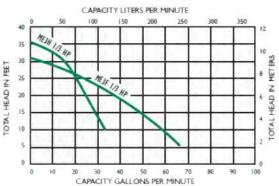
Myers Effluent & Drainage

The ME3 Series

The overload protected, shaded pole motor eliminates starting switches and relays which are prone to fail. It is also oil-filled for maximum heat dissipation and continuous bearing lubrication. The heavy cast iron motor housing and volute case dissipate heat, allowing the motor to run cooler for extended life.

The field-tested, wide-angle, mercury-free mechanical float switch is used for maximum drawdown (automatic piggyback models only) and automatic pump models can be operated manually by unplugging piggyback switch and plugging pump directly into outlet.





The ME45, 40, & 3 Series Pump Specs

Part #	Motor Type & HP	Max PSI/ Head	Max Flow Capacity	Outlet Size (in)	Liquid Temp.	Electrical volt/ amp/PH	Solid Handling (in)
ME45	1/2 HP, 3450 RPM, Oil-Filled, Permanent Split Capacitor Type	44 ft	87 GPM	3/4	60 C Max	120/115V, 8.6A, 60Hz	3/4
ME40	4/10 HP, 1650 RPM, Oil-Filled	32 ft	80 GPM	3/4	60 C Max	115V, 12A, 60Hz - 230V, 6A, 60Hz	3/4
МЕЗН	1/3 HP, 1550 RPM Shaded Pole, Oil-Filled	36 ft	35 GPM	3/4	60 C Max	115V, 12A, 60Hz - 230V, 6A, 60Hz	3/4
ME3F	1/3 HP, 1550 RPM Shaded Pole, Oil-Filled	31 ft	66 GPM	3/4	60 C Max	115V, 12A, 60Hz - 230V, 6A, 60Hz	3/4

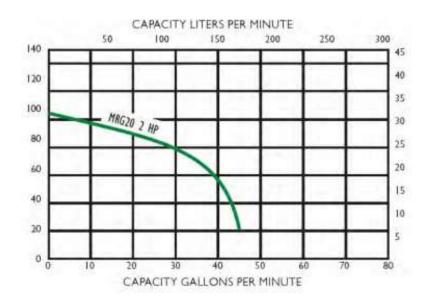


Myers Sewage Pumps

The MRG20 Series

This grinder pump has an oil-filled motor for maximum heat dissipation and constant bearing lubrication. The high-torque capacitor starts the single-phase motor for assured starting under heavy loads so no external capacitors are needed. The recessed impeller reduces radial bearing loads so no external capacitors are needed. The recessed impeller reduces radial bearing loads and increases bearing life. The pump features a heavy-duty

2 HP listed, wide-angle float switch and 300 series stainless steel fasteners. It features on-winding current and temperature-sensitive overload and is designed for easy maintenance. The shredding ring and grinder impeller are replaceable without dismantling the pump or motor (440 stainless steel, 58-60 Rockwell).





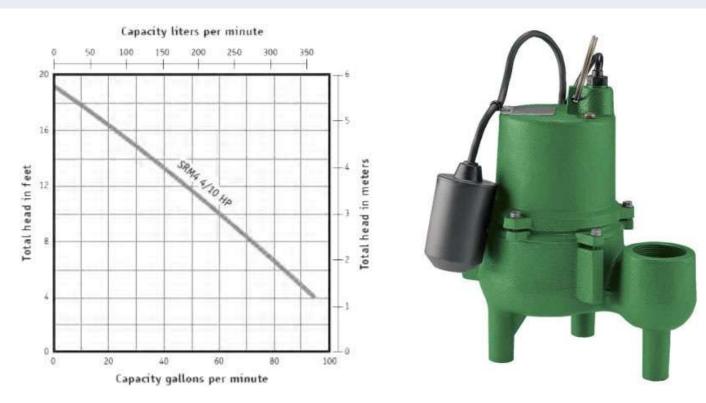
Part #	Motor Type	Max PSI/	Max. Flow	Outlet	Liquid	Electrical	Solid
	& HP	Head	Capacity	Size (in)	Temp.	volt/amp/PH	Handling
MRG20	2 HP, 3450 RPM	105 ft	45 GPM	1-1/4	60 C Max	Capacitor start/run 230V 60Hz, 15A	Raw Sewage



Myers Sewage Pumps

The SRM4 Series

These ETL-listed residential sewage pumps feature large sumps and a recessed vortex impeller for free flow of liquids and solids up to 2" diameter. It's oil-filled motor allows for maximum heat dissipation and continuous bearing lubrication, along with thermal overload protection with an automatic reset feature. Additionally, the rotary shaft seal has carbon and ceramic faces for a positive seal.



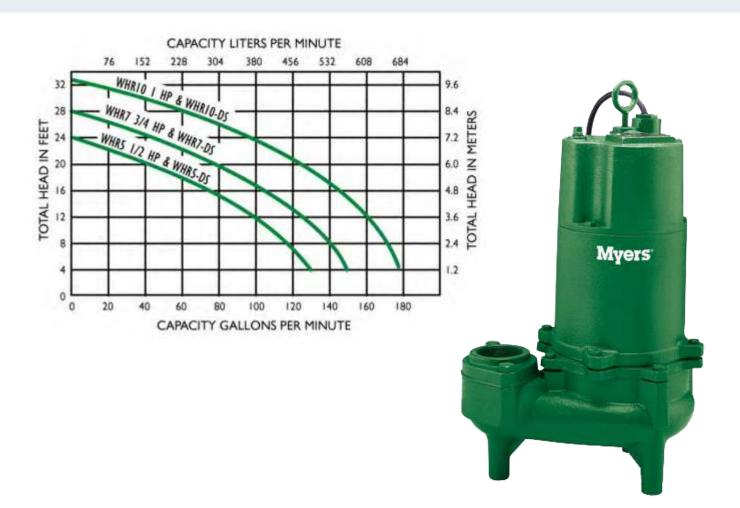
Part #	Motor Type	Max PSI/	Max. Flow	Outlet	Liquid	Electrical	Solid
	& HP	Head	Capacity	Size (in)	Temp.	volt/amp/PH	Handling (in)
SRM4	4/10 HP Shaded Pole 1550 RPM	19 ft	95 GPM	2	60 C Max	115V, 12A or 230V, 6A, 1Ø, 60 Hz	2



Myers Sewage Pumps

The WHR Series

The WHR Series pumps are ideal for handling domestic wastewater and septic systems along with light commercial sewage. Its power range meets many applications. The high-capacity fluid transfer pumps come in 1/2, 3/4 & 1 HP models, each with a durable oil-filled motor for long-lasting performance, cooler operation and constant bearing lubrication. Single-phase PSC motors eliminate starting switches while the recession impeller increases bearing life. Pumps also feature thermal voerload protection with automatic reset. Note: the double seal models with seal leak detector are not UL listed.





Myers Sewage Pumps

The WHR Series

Part #	Motor Type & HP	Max. PSI/ Head	Max. Flow Capacity	Outlet Size (in)	Liquid Temp.	Electrical Volt/ Amp/PH	Solid Handling (in)
WHR5-DS	1/2 HP, 1750 RPM	24 ft	130 GPM	2	60 C Max	P1 120/230V, 60Hz, PSC-P3 120/208/230/460/575V, 50Hz	2
WHR5-DS	1/2 HP, 1750 RPM	24 ft	130 GPM	2	60 C Max	P1 120/230V, 60Hz, PSC-P3 120/208/230/460/575V, 50Hz	2
WHR7	3/4 HP, 1750 RPM	28 ft	150 GPM	2	60 C Max	P1 230 V, 60 Hz PSC-P3 208/230/460/575V, 60 Hz	2
WHR7-DS	3/4 HP, 1750 RPM	28 ft	150 GPM	2	60 C Max	P1 230 V, 60 Hz PSC-P3 208/230/460/575V, 60 Hz	2
WHR10	1 HP, 1750 RPM	33 ft	180 GPM	2	60 C Max	P1 230V, 60 Hz, PSC-P3 208/230/460/575V, 60 Hz	2
WHR10- DS	1 HP, 1750 RPM	33 ft	180 GPM	2	60 C Max	P1 230V, 60 Hz, PSC-P3 208/230/460/575V, 60 Hz	2



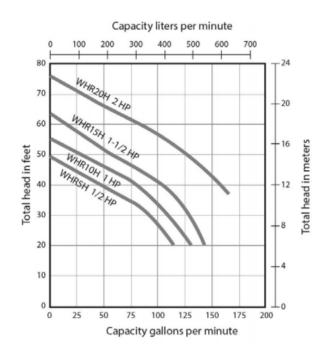
Myers Sewage Pumps

The WHRH Series

The WHRH Series pumps are ideal for handling domestic wastewater and septic systems along with light commercial sewage. Its power range meets many applications. The high-capacity fluid transfer pumps come in 1/2, 1, 1-1/2 & 2 HP models, each with a durable oil-filled motor for long-lasting performance, cooler operation and constant bearing lubrication. Single-phase PSC motors eliminate starting switches while the recession impeller increases bearing life. Pumps also feature thermal voerload protection with automatic reset.

Part #	Motor Type & HP	Max. PSI/ Head	Max. Flow Capacity	Outlet Size (in)	Liquid Temp.	Electrical Volt/ Amp/PH	Solid Handling (in)
WHR5H	1/2 HP, 3450 RPM	33 ft	119 GPM	2	60 C Max	P1 120/208/230V, 60HZ, PSC-P3 120/208/230/460V, 60Hz	2
WHR10H	1 HP, 3450 RPM	45 ft	142 GPM	2	60 C Max	P1 208/230V, 60Hz, PSC-P3 208/230/460V, 60Hz	2
WHR15H	1-1/2 HP, 3450 RPM	59 ft	181 GPM	2	60 C Max	P1 208/230V, 60 Hz, PSC - P3 208/230/460V, 60Hz	2
WHR20H	2 HP, 3450 RPM	70 ft	218 GPM	2	60 C Max	P1 208/230V, 60 Hz, PSC - P3 208/230V, 60Hz, PSC	2







Pump Accessories

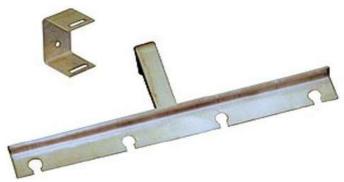
Pump Lift-Out Rail Package

The pump lift-out rail package is capable of handling 1-1/4" to 3" discharge pumps, eliminating the need for personnel to enter the basin when service is required. The dual rail guides the pump to an automatic leak-proof connection and to the surface. There is also no need to disassemble piping to remove the pump. The system includes a mounting base, lift-out elbow with check valve (check valve optional) top rail bracket, fasteners and O-rings, with guide rails sold separately.



Stainless Steel Float Hanger Bracket

These stainless steel float hanger brackets are ideal for use with 3", 4", 5" and 6" float models. They feature a handy quick release bracket that makes adjusting your floats much easier. All hangers include reusable cable grips.



Float Switches

The wide-angle pump float provides automatic control of pumps in non-potable water applications. It features cechanically-activated, snap action contacts and a non-toxic, corrosion-resistant, polyproylene float housing. It has an adjustable pumping range of 9" to 36". The system includes an innovative one-piece cable weight for mounting - no clip to lose.





Pump Accessories

Pump Alarm Boxes

Pump alarm boxes help monitor liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other non-potable water applications. The Tanks Alert XT indoor/outdoor alarm can serve as a high or low level alarm depending on the float switch model used. When a potentially hreatening liquid level condition occurs, the alarm horn sounds at 85 decibels at 10 feet and the red beacon illuminates. A "power on" light on the switch indictaed power to the alarm panel and the alarm system (when installed on a separate circuit) operates even if the pump circuit fails.

The alarm box features an automatic alarm reset, horn silence switch and alarm test switch. The enclosure meets Type 3R water-tight standard and the complete package includes standard SJE SignalMaster control switch with 15 feet of cable (other lengths available) and mounting clamp.





Sewage & Effluent Pump Control Panels

The red LED alarm beacon on the cover of our control panels provides a visual check of alarm condition while the alarm horns provides an audio warning of alarm condition. The LED display shows other system information (pump elasped time hh:mm, events/cycles). The panel features a NEMA 4X enclosure with a locking latch and a float connection incoming control/alarm power and pump power terminal block. The external alarm test/silence switch allows the horn and light to be tested and horn to be silenced in an alarm condition; alarm will automatically reset once the alarm condition is cleared. Power relay controls the pump by switching electrical lines and the circuit breaker provides pump power disconnect and branch circuit protection.



Effluent Filters

PL-68

The PL-68 serves as an ideal, economical, high flow (800 GPD) residential effluent filter. A PL-68 tee is available, designed to accept Polylok's new snap-in gas deflector, which keeps gas bubbles away from the tee and keeps the solids in the tank when filter is removed. The filter is designed to fit into standard 4" sewer drain tee fittings/outlet baffles in 2 chamber septic tanks.



PL-122

The PL-122 filter features an automatic shut-off ball built into it, so when the filter is removed for cleaning, the ball will float up and temporarily shut off the system so effluent won't leave the tank. The filter is rated for 1,500 gallons per day and comes complete with its own housing. No gluing of tees or pipe or any other extra parts to buy. The filter has a modular design, allowing for increased filtration, and installs easily into new tanks or retrofits into existing systems. It has its own gas deflector to keep solds away and accepts a PVC extension handle. Comes with either a pipe adapter or filter seal adapter and allows for alarm accessibility.





Effluent Filters

PL-525

The PL-525 is ideal for commercial applications, rated for over 10,000 gallons per day; one of the largest filters in its class. It features 525 linear feet of 1/16" filtration slots, alarm accessibility and an automatic shut-off ball installed. This means that when the filter is removed for cleaning, the ball will float up and shut off the system so the effluent won't leave the tank. The filter accepts 4" and 6" SCH40 pipe.



PL-625

The PL-625 filter is ideal for grease trap applications and is rated for 8,000 gallons per day. With 625 linear feet of 1/32" filtration slots, it's been shown to reduce fats, oils and grease by 60 to 98% and may also be used in onsite wastewater systems that require a finer level of TSS removal. Additional features include alarm accessibility, a built-in gas deflector, and automatic shut-off ball when filter is removed for cleaning. It accepts a PVC extension handle with 4" and 6" SCH40 pipe.





Polylok Boxes & Components

Polylok Distribution Boxes With Lids

When it comes to distribution boxes, you have a couple great options available at BARR. The 12" distribution box is the most versatile box on the market today. It comes complete with the only seal on the market that accepts 2", 3", 4" and corrugated pipe and you can choose the height you want your inlets and outlets to be. It also comes with stabilizing feet to anchor the box.

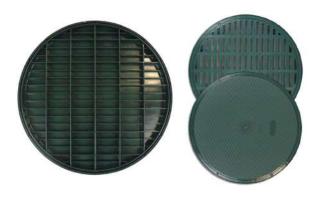
Another choice is the 20" distribution, drain and valve box. This option great for large applications such as golf courses, but is also a suitable size for the home. As well as accepting 2", 3", 4" and corrugated pipe, this box can also accept 6" pipe. It accepts 20" risers so you can easily bring the drain box to grade.



Polylok Lids

These lids fit on Polylok risers and corrugated pipe, allowing your septic tank to be easily serviced. They feature a factory installed gasket and are watertight and airtight. Their textured surface prevents slipping. They also feature the highest UV package on the market today.

Part #	Description
PL-CVR12	12" Polylok Riser Cover
PL-CVRGRATE12	12" Polylok Grated Cover
PL-CVR20	20" Polylok Riser Cover
PLR-CVRGRATE20	20" Polylok Grated Cover
PL-CVR20FLAT	20" Polylok HD Solid Cover
PL-CVR24	24" Polylok Riser Cover
PL-CVRGRATE24	24" Polylok Grated Cover
PL-CVR24HD	24" Heavy Duty Polylok Riser Cover





Polylok Boxes & Components

Polylok Manway & D-Box Risers

These risers can be cast into concrete or used with the Polylok Distribution Box (previous page). They come with your choice of a flat cover, galvanized steel grate, plastic grate or with an inspection port. They feature structural ribs on the inside so frost cannot adhere to them in frost-prone areas. Additionally, they'll hold their shape, are stackable, screw together and are watertight and airtight.







Part #	Description
PL-RSR1206	12" x 6" Polylok Riser
PL-RSR2006	20" x 6" Polylok Riser
PL-RSR2406	24" x 6" Polylok Riser
PL-RSR2012	24" x 12" Polylok Riser
PL-RSR2412	24" x 12" Polylok Riser
PL-RSR20RING	20" Riser Adapter Ring
PL-RSR24RING	24" Riser Adapter Ring
PL-RSRBASE	Riser Sump Base Assembly
PL-SAFE20	20" Safety Screen
PL-SAFE24	24" Safety Screen



Polylok Boxes & Components

Polylok Hydroshield

The unique design of the Hydroshield allows one product to work with 1", 1 1/2" and 2" pipe. The stackable design reduces storage space requirements and shipping costs. Additionally, the easy snap-on installation provides a firm lateral grip to the pipe and prevents movement of the Hydroshield during backfilling. Once installed, the hemispherical shape and large surface area of the shield allows effluent to disperse more evenly.



Polylok Hydroshield

The Roto-Flow enables equal distribution to your leaching fields, serving as a low cost solution to your distribution box flow regulating issues. It is available in 3" (Part #: PL-ROTOFLOW300) and 4" (Part #: PL-ROTOFLOW400) sizes and fits both SCH. 40, SDR 35 and thin wall pipe sizes. The Roto-Flow is made from HDPE and is designed to stand up in the septic environment without failing. The design ensures a good fit in all pipe sizes without collapsing or creating a loose fit.





Polylok Boxes & Components

Polylok Orifice Diffuser

The Orifice Diffuser ensures even distribution on lateral piping from all orifices in any system by separating the discharge orifice fromt he drain media, which effectively protects the system. The diffuser is constructed out of engineered resin and its slotted design prevents plugging of discharge openings with surrounding soil. You have a choice to install it with discharge openings facing up or down. the diffuser fits securely onto 1", 1.25", 1.5" or 2" PVC pipe.





Accepts 3/4" & 1" pipe

Polylok Extend & Lok Adapter

The Polylok Extend & Lok Adapter is easy to use for extending the length of an inlet or outlet pipe to make the filter and/or baffle installation process a snap. It fits any 3" or 4" pipe and requires no gluing. It centers the filter or tee under your riser.







Fittings & Piping

PVC Sewer Drain Vent Fittings/Piping

Connect your wastewater treatment system all together with PVC pipes and fittings, available in a wide variety of and sizes configurations from BARR Plastics. See our website for sizing and other specifications.



Rubber Grommet Seals

Manufactured from a chemical resistant rubber-like thermoplastic, these seals are resistant to water and oil based materials along with UV exposure. Uniseals are available to work in areas where traditional bulkhead fittings will not such as curved surfaces, i.e. pipe wall or round drum wall. They also can be used when access to inside of tank is not practical for tightening bulkhead nuts. Uniseals are just pressed into a drilled hole. Check out our website for sizing and other specifications.

Rubber Flex Couplers

Our rubber flex couplers provide a positive seal against infiltration and exfiltration. They are leakproof, rootproof and are resistant to chemicals, ultraviolet rays, fungus growth, and normal sewer gases. They conform to ASTM D 5926, C 1173 and CSA B602 and connect pipes of same or different sizes and materials quickly and easily. The stainless steel clamps are corrosion-resistant and rustproof. Check out our website for more details.

