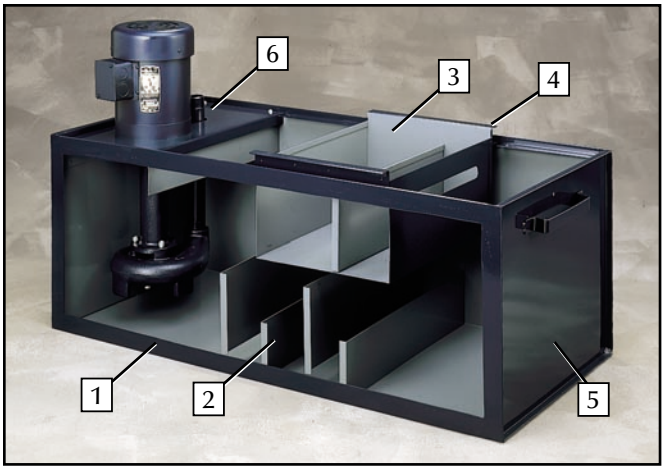
Pump and Tank Systems

At Graymills, we recognize the need to combine the rugged dependability of our pumps with a variety of tank sizes and shapes, to provide a comprehensive line of fluid collection and recirculating systems. We know that these tank systems will see a lot of hard work and rough treatment during their long working lives. That's why Graymills designs its tanks the way they should be built . . . like a tank. To prove our point, take a look at the cutaway below and notice the built-in durability and quality.



Features, capabilities and materials differ from tank to tank, but each follows in the Graymills tradition of quality and dependability. We don't believe in short-cuts that might compromise the quality of our products . . . or your satisfaction. And if you need a special, one-of-a-kind pumping system, we are ready to design and build one to meet your specific requirements. For more information on any of our products or help in ordering, call us or a member of our nationwide network of distributors. We're ready to solve your pumping and fluid circulating problems.

- To assure maximum strength and uniformity, tanks are jig and fixture assembled and spot welded prior to MIG seam welding. Every tank is then dye penetrant-tested for 24 hours. Not even a pinhole leak can slip past this procedure. As a result of these stringent procedures, each tank carries Graymills' one year warranty.
- A wide selection of standard pump and tank systems available to meet your requirements.
- **We also manufacture custom systems for unique applications.**

1. Durably constructed of cold rolled ASTM A-366 steel. Stainless steel tanks available.
2. Tank systems larger than 5 gallons contain from one to four baffles, carefully sized and positioned to make solids settle out and keep circulated fluid clean.
3. Depending on tank size and flow requirements, tanks larger than 5 gallons are equipped with either a wire mesh screen bowl or chip collection basket. On the coolant return, chip collection baskets have an extra baffle and a fluid return slot to further aid the settling process.
4. Tank and collection basket edges are hemmed to eliminate exposed sharp edges and increase rigidity.
5. All exterior tank surfaces are cleaned with a phosphatized wash prior to powder coating for improved adhesion.
6. Lids are recessed to contain spills.

Standard Systems Selection

Tank Size	Tank Features	Pumps Available in Standard Units (Reference page numbers for complete pump data)
3 Gallon	18 mesh screen bowl	VPJ5 (page 25)
5 Gallon	18 mesh screen bowl	HR35 (page 28)
6 Gallon	18 mesh screen bowl; 1 baffle in tank	FM68H (page 25), HR35 (page 25)
10 Gallon	18 mesh screen bowl or chip basket; 1 baffle in tank	FM68H (page 25), HR35, HR45 (page 25), TN33 (page 25)
17 Gallon	18 mesh screen bowl or chip basket; 2 tank baffles	FM68H (page 25), TN33, TN333H3/4 (page 25)
21 Gallon	Chip basket and 1 baffle in tank	TN31 (page 26), TN41 (page 26)
34 Gallon	Chip basket and 3 baffles in tank	TN37, TN37H-1, TN37H-1-1/2 (page 26), TN46, TN56 (page 26)
50 Gallon	Chip basket and 4 baffles in tank	TN37H-1, TN37H-1-1/2 (page 26), TN46H, TN56 (page 26), TN57H-3 (page 26), TN67, TN77 (page 26)
85 Gallon	Chip basket and 3 baffles in tank	TN37H 1-1/2 (page 27), TN57, TN57H-3 (page 27), TN77 (page 27)
110 Gallon	Chip basket and 3 baffles in tank	TN57, TN57H-3 (page 27), TN77 (page 27)

3-6-10-17 GALLON SYSTEMS

3 GALLON TANK SYSTEM

3-VJ5: Features a Graymills VPJ25 abrasive resistant pump made of high strength thermoplastic. Pump: 1/25 HP, 1500 RPM, 5/8" ID discharge. Maximum viscosity: 300 SSU. Tank is 18 gauge steel. Four feet of 1/2" vinyl hose and 18 mesh screen bowl included.

6 GALLON TANK SYSTEMS

All units are constructed with 18 gauge steel and contain an 18 mesh screen chip collecting bowl.

6-HR35: 1/25 HP, 1500 RPM. Maximum viscosity: 150 SSU. Optional 3/8" ID flexible metal nozzle with valve and 4' neoprene 1/2" ID hose. 1/2" NPT discharge.

6-HR45: 1/8 HP, 1725 RPM. Maximum viscosity: 500 SSU. Optional 3/8" ID flexible metal nozzle with valve and 4' neoprene 1/2" ID hose. 1/2" NPT discharge.