



# **TORPEDO PUMPS** *& Control Panels*



*Innovative Environmental Products*



**Ruggedized Electric Pump Systems with  
Integrated Easy Touch Controls**

# Torpedo™ Sideslope Pump Systems



Unique bullet shape HDPE shroud provides a low coefficient of friction and allows the pump to slide easily over internal pipe obstacles.

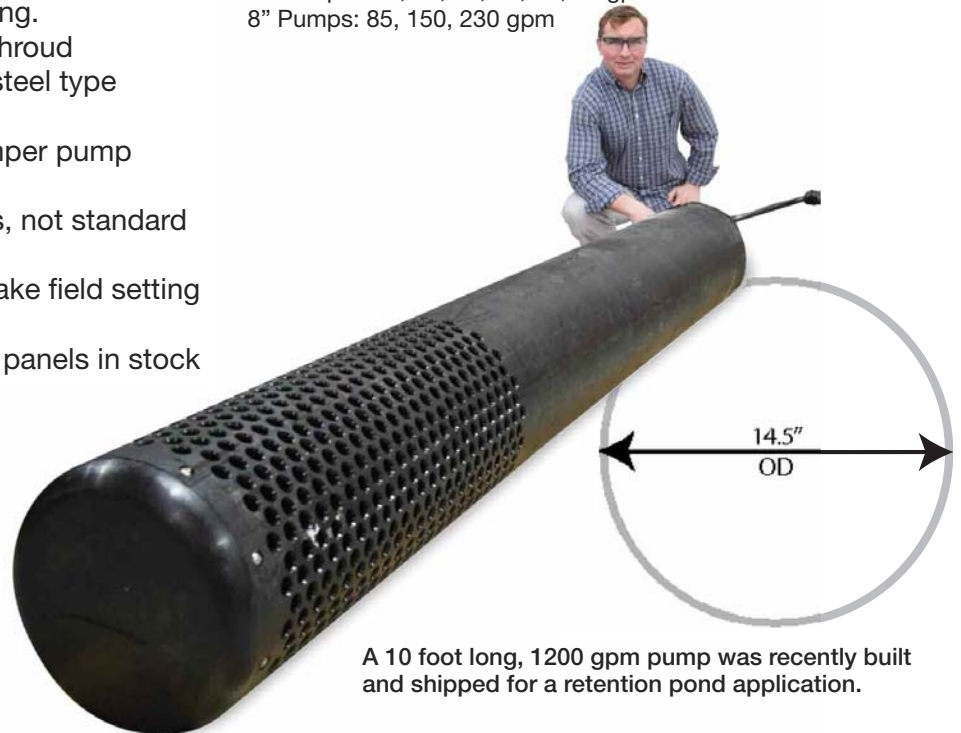
Pump shroud is constructed of High-Density Polyethylene (HDPE) for superior strength and durability (lifetime warranty on shroud). Teflon-fitted stainless steel pump end and stainless steel environmental motor withstand the most extreme conditions and chemicals. Complete with stainless steel pull cable and stainless steel quick-connect fitting.

- Rounded end heavy duty Torpedo shroud outperforms and outlasts stainless steel type housings
- No shroud wheels to break and hamper pump removal
- Special rugged duty pump materials, not standard duty water supply type
- More user-friendly control panels make field setting changes easy
- Quick Ship on standard pumps and panels in stock

- Backed nationwide by QED customer support excellence
- Vertical and horizontal applications
- 2 to 1200 gallons per minute flow rate

**Specifications** (See page 7 for more Details)

6" Pumps : 10, 16, 25, 40, 60, 75 gpm  
8" Pumps: 85, 150, 230 gpm



A 10 foot long, 1200 gpm pump was recently built and shipped for a retention pond application.

See [QedEnv.com/Torpedo](http://QedEnv.com/Torpedo) for complete specifications, drawings and flow curves.

## SlimJim™ Pump Systems



Small diameter pump (4.5" outer housing diameter) is ideal for smaller diameter risers such as cleanouts, collapsed pipes or bent risers.

Rounded end, heavy duty Torpedo shroud outperforms and outlasts stainless steel housings. There are no shroud wheels to break and hamper pump removal. Constructed of special rugged duty pump materials, not standard duty water supply type.

- Flows up to 30 GPM
- Made with the same corrosion resistant materials as the Torpedo Pump

- Can be used in vertical or horizontal applications
- Same applications as air powered pumps, but with higher flow rates

**Specifications** (See page 7 for more Details)

4.5" Pumps with Environmentally Modified Motors : 10, 22 gpm  
 4.5" Pumps with Standard Motors : 5, 10, 15, 22, 30 gpm

See QedEnv.com for complete specifications, drawings and flow curves.



### The Torpedo Pump Advantage

Rugged HDPE pump housing

- Pump housings are subject to chemical attack and high mechanical stresses. Wheeled pump housings drag and can get stuck when the wheels fail. A tough HDPE pump housing easily handles the chemical exposure and stresses, and makes the pump much easier to service.
- Pump transducers are located above the pump, to avoid solids and impact damage common when located at the bottom of the pump



### Motors

- Hermetically sealed stator windings (no arc producing devices)
- All stainless steel construction
- Environmental modifications for landfill use



### Pump Ends

- Special rugged duty pump materials, not standard water supply pumps
- Pump end constructed entirely of stainless steel and Teflon®
- Internal check valve to prevent backflow through pump (can be drilled to help prevent freezing)
- Single phase and three phase electrical motors





# Commander™ Control Panels

## Touch Screen Standard



Premium control panels are engineered to bring the most sophisticated, easy-interface control and system status display capabilities to the field.

Next-generation panels provide numerous options for unparallelled on-site control of the pumping system, housed in a rugged enclosure engineered for safety and ease of maintenance.

- Touch screen displays flow rate, multiple levels, pump run-time, pump starts and all alarms
- Easy touch screen entry allows site personnel to handle changes to alarm, transducer flow meter setup
- Breakers, not fuses, for ease of return to service

- Isolation barriers eliminate need for installation and maintenance of separate grounding system
- Inner door meets “finger-safe” safety standards, protects components from weather when outer door is opened.
- 304 Stainless Steel Enclosure Standard

#### Specifications

- 
- Simplex/ No Inner Door
  - Duplex/ No Inner Door
  - Simplex/ Inner Door
  - Duplex/ Inner Door



## Unique Touch Screen interface provides simple control and display of pump system status



- Easy touch screen adjustment of settings – just press a value to change it!
- Parameters include level transducer range, operating and alarm levels, and flow meter setup.



Level transducer range setup



Pump on/off level setup



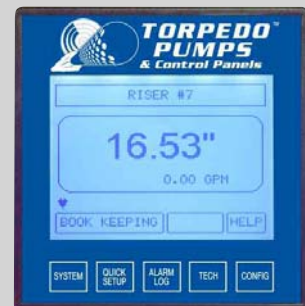
Alarm condition setup



Flow meter setup



Alarm Auto Reset



Riser No. 7 Status

## Lieutenant™ Control Panels



- Entry level alternative to standard touch screen control models
- Limited capabilities
- PVC enclosure vs. stainless steel
- Simplex and Duplex

# Complete systems, *everything you need!*



## Level Transducers

- High static accuracy and repeatability
- User specified pressure ranges from 3-1000 PSI gauge
- Engineered for long service and easy field maintenance



## Flow Meters

- Traditional insertion type and magnetic meters
- Low-voltage solar powered option available



## Pump Options

Motor leads, splice kits, vertical pumping configuration, cold weather drain, stainless steel camlock fittings, and suspension cable (Slim Jim).

- Motor lead options including Blue Ice, plus splice kit
- Conversion kit for vertical pumping
- Cold weather pump retrofit
- Full range of stainless steel camlocks
- Teflon motor lead cable
- Stainless steel suspension cable

## Pitless Style Adapters

Provide easy below-grade connection for pump discharge



- Stainless steel
- Large gasket for more efficient sealing

## Breakout Boxes

Provide easy service access for motor leads and transducer cable connections, without working inside the main panel

- For motor lead and/or transducer cables
- Includes terminal block

## Commander Series Control Panel Options

- Run time meters (non-resettable)
- Additional 22mm pilot lights
- Phase monitor (3 phase)
- Alarm horn with silence pushbutton

## Single Phase Motor Capacitor Box

- In stock for a full range of motors from 1/2 to 5 horsepower

See [QedEnv.com](http://QedEnv.com)  
for complete specifications.



## Pump Specifications

### 6" Torpedo Submersible Sloperiser Pump

Reference Number	Max. Flow (gpm)	Length (inches)	HP	Volts	Phase	Motor	Discharge (inches)	Stages
50286	10	19.9	1/2	230	Single	PRM	1 1/4	6 *
50290	10	19.9	1/2	230	Three	PRM	1 1/4	6
50292	10	19.9	1/2	460	Three	PRM	1 1/4	6
50300	10	23.0	1/2	230	Single	PRM	1 1/4	9 *
50306	10	23.0	1/2	460	Three	STD	1 1/4	5 *
50344	16	27.7	1/2	230	Single	PRM	1 1/4	5 *
50348	16	27.7	1/2	230	Three	PRM	1 1/4	5
50350	16	27.7	1/2	460	Three	PRM	1	5
50398	25	28.9	3/4	230	Single	PRM	1 1/2	5 *
50402	25	28.9	3/4	230	Three	PRM	1 1/2	5
50404	25	28.9	3/4	460	Three	PRM	1 1/2	5
50408	25	31.7	1	230	Single	PRM	1 1/2	7 *
50414	25	31.7	1	460	Three	PRM	1 1/2	7
50446	40	32.6	1	230	Single	PRM	2	3 *
50450	40	32.6	1	230	Three	PRM	2	3
50452	40	32.6	1	460	Three	PRM	2	3
50456	40	37.7	1 1/2	230	Single	PRM	2	5 *
50460	40	37.7	1 1/2	230	Three	PRM	2	5
50461	40	37.7	1 1/2	460	Three	STD	2	5 *
50462	40	37.7	1 1/2	460	Three	PRM	2	5
50493	60	40.6	2	230	Single	PRM	2	4 *
50497	60	40.6	2	230	Three	PRM	2	4
50499	60	40.6	2	460	Three	PRM	2	4
50518	75	38.0	2	230	Single	PRM	2	3 *
50522	75	38.0	2	230	Three	PRM	2	3
50524	75	38.0	2	460	Three	PRM	2	3
50529	75	48.7	3	460	Three	PRM	2	5
50531	75	59.4	5	230	Single	PRM	2	8 *
50535	75	59.4	5	460	Three	PRM	2	8

### 8" Torpedo Submersible Sloperiser Pump

50544	85	43.3	3	460	Three	PRM	3	2
50546	85	48.7	5	230	Single	PRM	3	3 *
50550	85	48.7	5	460	Three	PRM	3	3
50556	85	51.1	5	460	Three	PRM	3	4
50577	150	35.3	2	230	Single	PRM	3	1 *
50582	150	35.3	2	230	Three	PRM	3	1
50583	150	49.1	5	460	Three	PRM	3	1
50585	150	49.1	5	230	Single	PRM	3	2 *
50589	150	49.1	5	460	Three	PRM	3	2
50605	230	52.2	5	230	Single	PRM	3	1 *
50609	230	52.2	5	460	Three	PRM	3	1

\*Requires Franklin Capacitor Box

Consult factory for larger size pumps.

### SlimJim (Standard Modified)

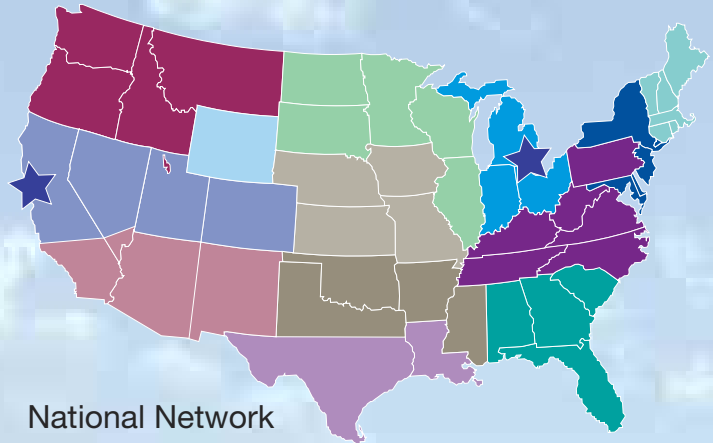
		Flow (gpm)	Dia. (inches)	Length	Wt.	HP	Volts	Phase
50898	10SRPSJE05-100	10	4.5	34.4	22	1/2	115	Single
50899	10SRPSJE05-100	10	4.5	34.4	22	1/2	230	Single
50900	10SRPSJE05-140	10	4.5	34.4	22	1/2	115	Single
50901	10SRPSJE05-140	10	4.5	34.4	22	1/2	230	Single
50902	10SRPSJE07-180	10	4.5	35.5	23	3/4	230	Single
50903	10SRPSJE07-220	10	4.5	37.6	23	3/4	230	Single
50904	10SRPSJE10-260	10	4.5	39.0	26	1	230	Single
50905	10SRPSJE10-300	10	4.5	40.1	26	1	230	Single
50906	10SRPSJE10-340	10	4.5	42.2	26	1	230	Single
50907	22SRPSJE05-40	22	4.5	34.4	22	1/2	115	Single
50908	22SRPSJE05-40	22	4.5	34.4	22	1/2	230	Single
50909	22SRPSJE05-80	22	4.5	34.4	22	1/2	115	Single
50910	22SRPSJE05-80	22	4.5	34.4	22	1/2	230	Single
50911	22SRPSJE07-110	22	4.5	35.5	23	3/4	230	Single
50912	22SRPSJE05-140	22	4.5	37.6	23	1/2	230	Single
50913	22SRPSJE10-180	22	4.5	42.2	26	1	230	Single
50914	22SRPSJE10-210	22	4.5	42.2	26	1	230	Single

### SlimJim (Standard)

50915	5SRPSJ05-90	5	4.5	34.4	22	1/2	115	Single
50916	5SRPSJ05-90	5	4.5	34.4	22	1/2	230	Single
50917	5SRPSJ05-140	5	4.5	34.4	22	1/2	115	Single
50918	5SRPSJ05-140	5	4.5	34.4	22	1/2	230	Single
50919	5SRPSJ05-180	5	4.5	35.5	22	1/2	115	Single
50920	5SRPSJ05-180	5	4.5	35.5	22	1/2	230	Single
50921	5SRPSJ07-230	5	4.5	37.6	23	3/4	230	Single
50922	5SRPSJ07-270	5	4.5	37.6	23	3/4	230	Single
50923	5SRPSJ07-320	5	4.5	38.6	23	3/4	230	Single
50924	5SRPSJ10-360	5	4.5	42.2	26	1	230	Single
50925	5SRPSJ10-410	5	4.5	42.2	26	1	230	Single
50926	5SRPSJ15-450	5	4.5	43.3	26	1 1/2	230	Single
50927	10SRPSJ05-110	10	4.5	34.4	22	1/2	115	Single
50928	10SRPSJ05-110	10	4.5	34.4	22	1/2	230	Single
50929	10SRPSJ05-160	10	4.5	34.4	22	1/2	230	Single
50930	10SRPSJ07-200	10	4.5	35.5	23	3/4	230	Single
50931	10SRPSJ07-260	10	4.5	37.6	23	3/4	230	Single
50932	10SRPSJ10-290	10	4.5	39.0	26	1	230	Single
50933	10SRPSJ15-330	10	4.5	40.2	26	1 1/2	230	Single
50934	15SRPSJ05-70	15	4.5	34.4	22	1/2	115	Single
50935	15SRPSJ05-70	15	4.5	34.4	22	1/2	230	Single
50936	15SRPSJ05-110	15	4.5	34.4	22	1/2	115	Single
50937	15SRPSJ05-110	15	4.5	34.4	22	1/2	230	Single
50938	15SRPSJ07-150	15	4.5	35.5	23	3/4	230	Single
50939	15SRPSJ07-180	15	4.5	37.6	23	3/4	230	Single
50940	15SRPSJ10-220	15	4.5	39.0	26	1	230	Single
50941	15SRPSJ10-250	15	4.5	40.1	26	1	230	Single
50942	15SRPSJ15-290	15	4.5	42.2	26	1 1/2	230	Single
50943	22SRPSJ05-40	22	4.5	34.4	22	1/2	115	Single
50944	22SRPSJ05-40	22	4.5	34.4	22	1/2	230	Single
50945	22SRPSJ05-80	22	4.5	34.4	22	1/2	115	Single
50946	22SRPSJ05-80	22	4.5	34.4	23	1/2	230	Single
50947	22SRPSJ07-120	22	4.5	35.5	23	3/4	230	Single
50948	22SRPSJ10-160	22	4.5	37.6	23	1	230	Single
50949	22SRPSJ10-190	22	4.5	42.2	26	1	230	Single
50950	22SRPSJ15-220	22	4.5	42.2	26	1 1/2	230	Single
50951	30SRPSJ05-40	30	4.5	34.4	22	1/2	115	Single
50952	30SRPSJ05-40	30	4.5	34.4	22	1/2	230	Single
50953	30SRPSJ07-90	30	4.5	34.4	23	3/4	230	Single
50954	30SRPSJ10-130	30	4.5	39.0	23	1	230	Single

*For more than 30 years, QED Environmental Systems has been the pump experts, bringing advanced solutions to the most challenging applications in landfill liquid management, groundwater sampling, and remediation pumping. Now QED has added innovative electric submersible pumps to the industry's leading air-powered pumps. The combined engineering expertise of QED and Graco is committed to improvement of the technology in these fields.*

*QED's national network of experienced, highly-qualified representatives is ready to deliver the most comprehensive customer service and support, from the factory to the field. Large inventories allow quick shipping from stock to help meet project deadlines.*



National Network  
with 12 Regional Offices, plus East and  
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