

**HEAVY**  
PUMPS

**TOYO**  
PUMPS

The image shows three blue submersible pumps of varying sizes in a dark industrial setting. The largest pump is on the right, with a smaller one in the middle and another on the left. In the background, there are large black fans and mechanical parts. The pumps have a cylindrical body with a motor on top and a discharge pipe at the bottom. The lighting is dramatic, highlighting the blue color of the pumps against the dark background.

# DL SUBMERSIBLE

**RUN-DRY CAPABLE, VERSATILE & ECONOMICAL  
SUBMERSIBLE SLURRY PUMP SOLUTIONS**

# DL QUICK FACTS

RUN DRY CAPABLE, STANDARD COOLING JACKET & HIGH CHROME WEAR PARTS

THIS **RUGGED SUBMERSIBLE SLURRY PUMP** IS THE LAST THING YOU'LL NEED TO WORRY ABOUT IN YOUR BUSY DAY

- ▶ Capacities to **3500 gpm** (800 m<sup>3</sup>/hr)
- ▶ Heads to **175 ft** (53 meters)
- ▶ Ideal for **class 1** slurries
- ▶ Sizes up to **10" (250mm)** discharge
- ▶ Agitators as standard up to **DL-30** (optional on DL-50)
- ▶ **High chrome** wear components
- ▶ **DL-4 and DL-7.5** available with chopper packages
- ▶ Run dry capability
- ▶ Built-in **thermal protection**
- ▶ Built-in **cooling jacket**
- ▶ Large internal clearances



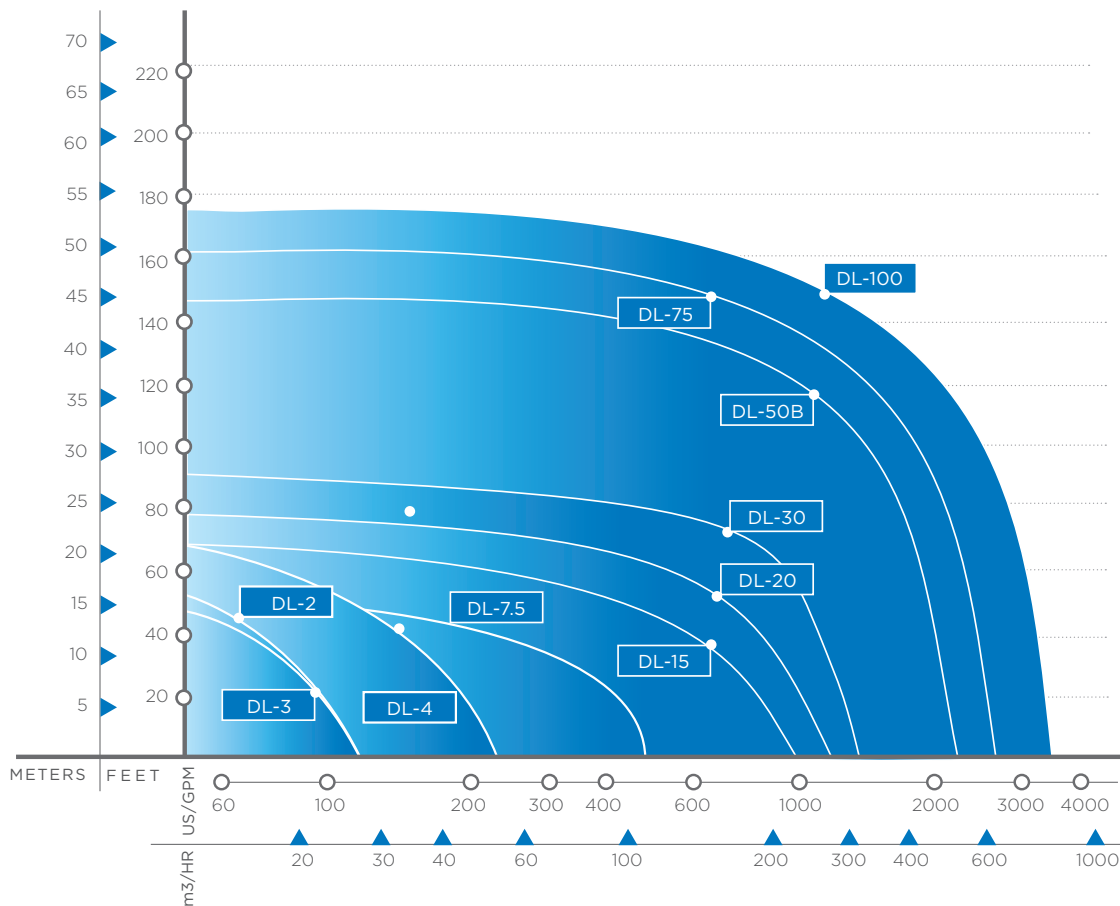
# THE ECONOMICAL DL FOR CLASS 1 SLURRIES



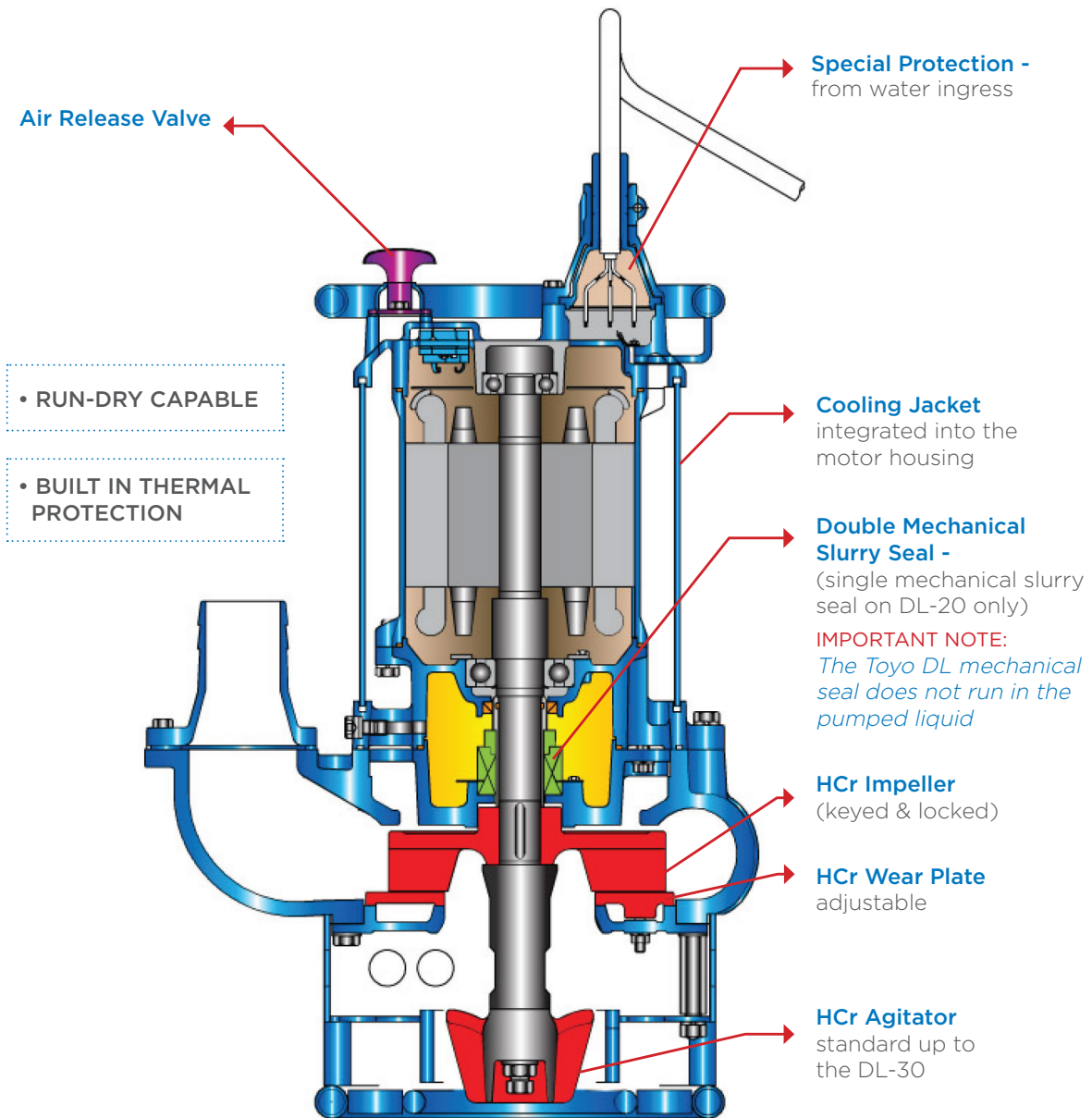
The **Toyo DL** series submersible pump has long been a fan favorite for its proven reliability and durability. It features a built-in cooling jacket to allow for full cooling while the pump is primed - even if the motor is fully exposed to air.

**High Chrome** wear components provide excellent wear life and the pump boasts large internal clearances for the easy passage of high concentrations of solids. This rugged submersible pump will be the last thing you need to worry about in your busy day.

## DL FAMILY CURVE



# DL MAIN FEATURES



## TOYO DL OPTIONS

### TOYO DL AGITATION OPTIONAL ON DL 50



Standard with models up to 30HP: The **Toyo agitator** reduces solids accumulating on the sump floor, significantly reducing maintenance costs resulting from digging out sumps.

### TOYO DL CHOPPER OPTION



**DL-4 & DL-7.5 Only:** **Heavy duty blades**, situated in front of the pump's suction, agitates, chops, cuts, shreds incoming solids such as metal banding, plastic, wood, rags and bags, prior to them entering the impeller.

MODEL NUMBER	DL-1	DL-2	DL-3	DL-4	DL-7.5	DL-15	DL-20	DL-30	DL-50B	DL-75	DL-100
Discharge diameter - inch (mm)	2 (50)	2 (50)	2 (50)	3 (80)	3 (80)	4 (100)	4 (100)	6 (150)	8 (200)	10 (250)	10 (250)
Rated Flow USgpm (m3/min)	30 (0.11)	65 (0.25)	65 (0.25)	130 (0.5)	300 (1.1)	400 (1.6)	400 (1.6)	850 (3.2)	1300 (4.9)	1525 (5.8)	2100 (7.9)
Head at rated point - ft (m)	27 (8.3)	44 (13)	40 (12)	40 (12)	40 (12)	50 (15)	69 (21)	64 (19)	102 (31)	119 (36)	112 (34)
Impeller diameter - inch (mm)	3.4 (85)	4.4 (111)	4.9 (124)	5.1 (130)	8.6 (218)	9.3 (235)	9.6(244)	11.2 (285)	12.8 (325)	13.5 (344)	14.2 (360)
Max. solid size - inch (mm)	0.4 (10)	0.3 (8)	0.4 (10)	0.4 (10)	1.2 (30)	1.2 (30)	1.2 (30)	1.2 (30)	1 (25)	1 (25)	1 (25)
Weight - lb (kg)	35 (15)	70.5 (32)	88 (39)	131 (59.5)	334 (151)	491 (222)	590 (267)	835 (378)	1874 (852)	2535 (1152)	2646 (1203)
Single/ Double Mech. Seal	Double	Double	Double	Double	Double	Double	Single	Double	Double	Double	Double
Motor Size - HP (KW)	0.75 (0.55)	2 (1.5)	2.7 (2.0)	4 (3.0)	7.5 (5.6)	15 (11)	20 (15)	30 (22)	50 (37)	75 (56)	100 (75)
Run Dry Motor	Yes										
Speed - RPM	3600	3600	3600	3600	1800	1800	1800	1800	1800	1800	1800
Starting Method	Capacitor		D.O.L	D.O.L	D.O.L	D.O.L	D.O.L	D.O.L	Star- Delta		
Insulation Class	E	B	F	F	E	B	B	F	F	E	E
Cable Length ft. (m)	32 (10)	32 (10)	50 (15)	50 (15)	50 (15)	50 (15)	82 (25)	82 (25)	50 (15)	50 (15)	50 (15)
Pump Casing	Ductile Iron	EPR	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Impeller	HCr	Ductile Iron	HCr	HCr	HCr	HCr	HCr	HCr	HCr	HCr	304SS
Suction Cover	N/A	Ductile Iron	Ductile Iron	Ductile Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Suction Wear Plate	N/A	N/A	N/A	N/A	HCr	HCr	HCr	HCr	Optional	N/A	N/A
Agitator	HCr	Ductile Iron	Ductile Iron	Ductile Iron	HCr	HCr	HCr	HCr	N/A	N/A	N/A
Aluminium Content	Yes	Yes	No	Yes	No	No	No	No	No	No	No

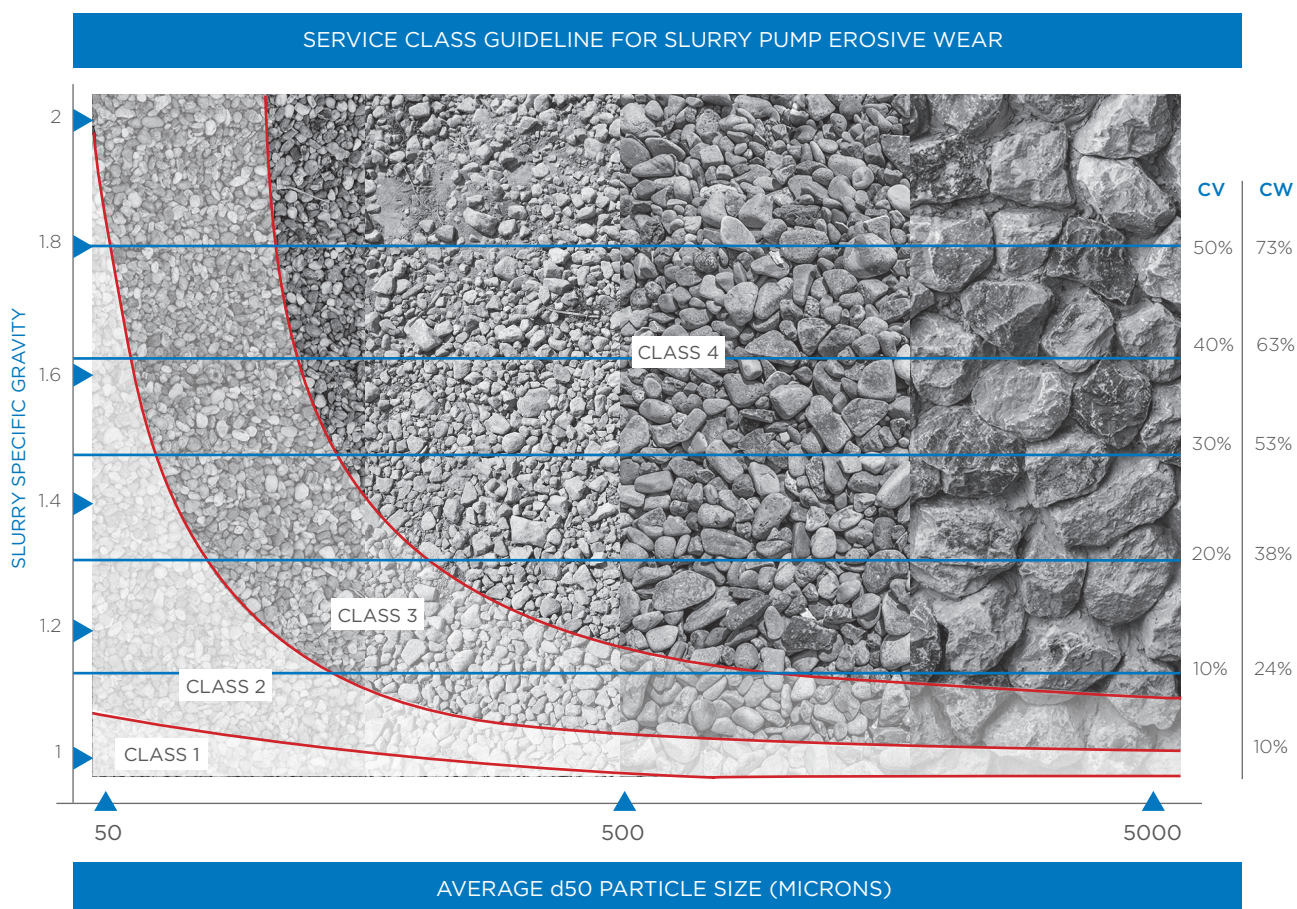
# HEVVY SLURRY

## CLASSIFICATIONS

At HEVVY PUMPS we were born out of our passion for pumping solids. The majority of pumping companies began life as a water pumping company. Therefore, if they now offer a “slurry” pump, they’ve simply adapted one of their water pumps to do a slurry pumps’ job. This is not always the ideal solution (similar to asking a pick-up truck to do a dump truck’s job).

To find the right solution for your application it is important to first understand what it is you are trying to pump. Slurries come in many shapes, sizes, weights, levels of abrasion or corrosion and consistency. For your convenience, **the industry defines slurries by classes**. We have included a very simplified chart (see below) to assist you in understanding what slurry class you might be dealing with. As always we are happy to help you choose the right solution for your application. Please give us a call if this is all as clear as well... slurry.

### SLURRY TYPES: SILT | SAND | TAILINGS



The above chart is for use as a guide only. It assumes 2.65 SS silica-based solids. Adjust rating to account for solids of different abrasivity using ASTM G75-95. The chart is based on the Hydraulic Institute’s Slurry Class guideline. For more information about the HI Slurry Classes please visit <http://pumps.org> or call HEVVY PUMPS for assistance.

# NEED SOMETHING **HEVVY**?



## **WHAT IF** YOU NEED SOMETHING MORE

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Where the **DL Pump** is capable of handling Class 1 and some Class 2 slurries. Look to the **HS** and **HNS** if you need something more.

The Hevvy HNS Series is the world's only modular submersible slurry pump with pressurized sealing technology, run dry capability, and even capable of passing a 5" rock. It is available up to 1000 HP and can handle Class 4 slurries. The HNS is available with four wet end choices and can pump up to 10,000 GPM.



## **GIVE US** YOUR WORST

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**HEVVY PUMPS** is proud to offer a **complimentary pump audit** of your four worst pumping applications, complete with a report.



## **HEVVY's No Risk Trial Program**

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Be confident that your HEVVY PUMP will work with our **No Risk Trial Program**. All we need is a little information about your application and a commitment from you - when our pump meets the expectations that we both agree on - that you will keep the pump.

To find out more please contact your local Regional Manager for details or email [applications@hevvyumps.com](mailto:applications@hevvyumps.com)



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