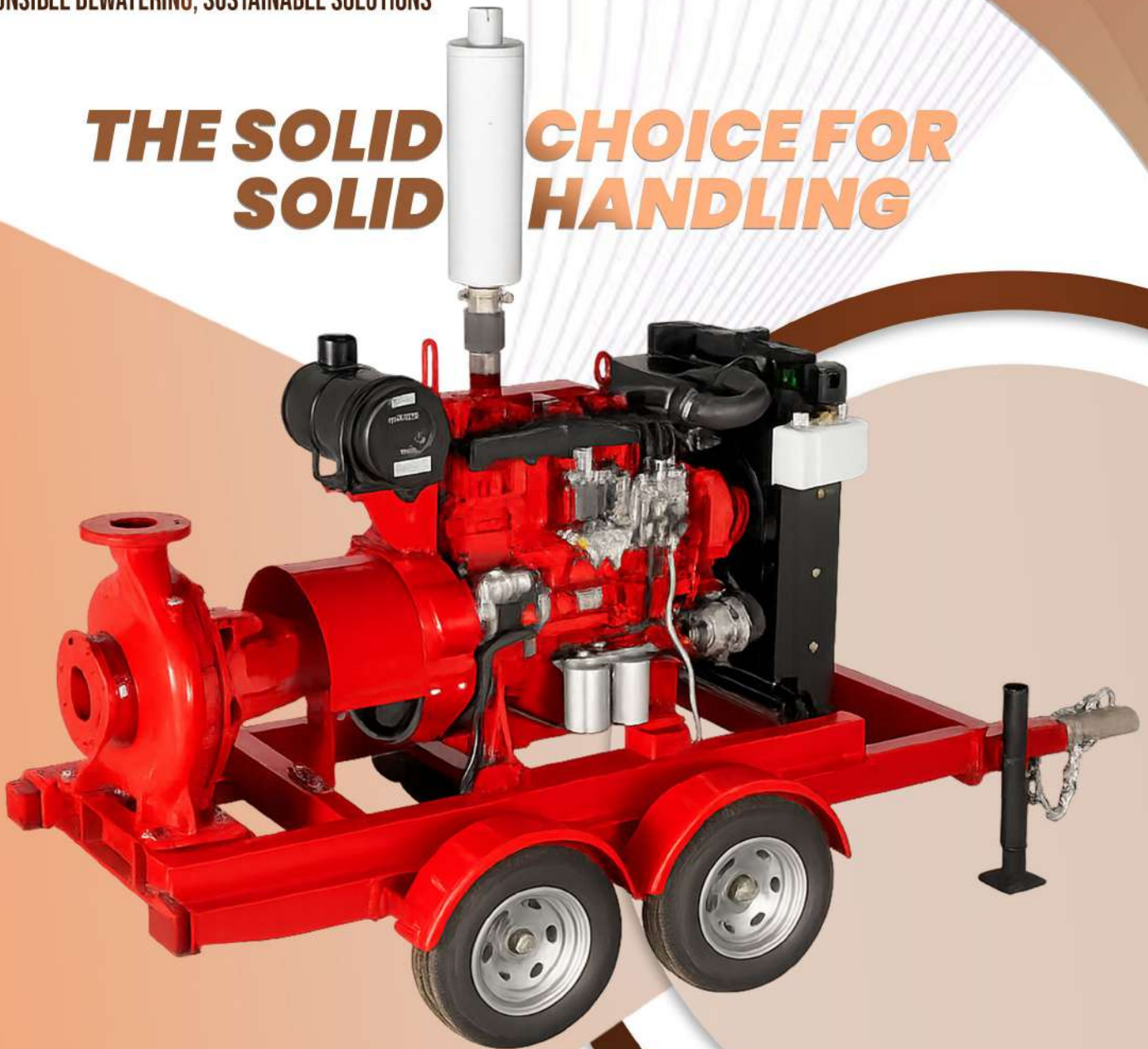




RESPONSIBLE DEWATERING, SUSTAINABLE SOLUTIONS

**THE SOLID CHOICE FOR
SOLID HANDLING**



**ADS SW
80 PUMP**

www.arihantdewatering.com

PRODUCT OVERVIEW

The ADS SW-80 is a heavy-duty solids-handling centrifugal pump designed to deliver large volumes of water at medium heads. With a suction and delivery size of 200 × 200 and solids handling capacity up to 105 mm, this pump is well-suited for demanding applications involving raw water, stormwater, sewage, and mine dewatering.

The pump is integrated into a skid-mounted package and can be coupled with a diesel engine for mobile deployment on a two-wheel towable trailer. Equipped with NRV-based auto priming, the SW Series eliminates the need for vacuum priming systems and ensures reliable operation in challenging site conditions.

MATERIAL OF Construction ADS SW-80

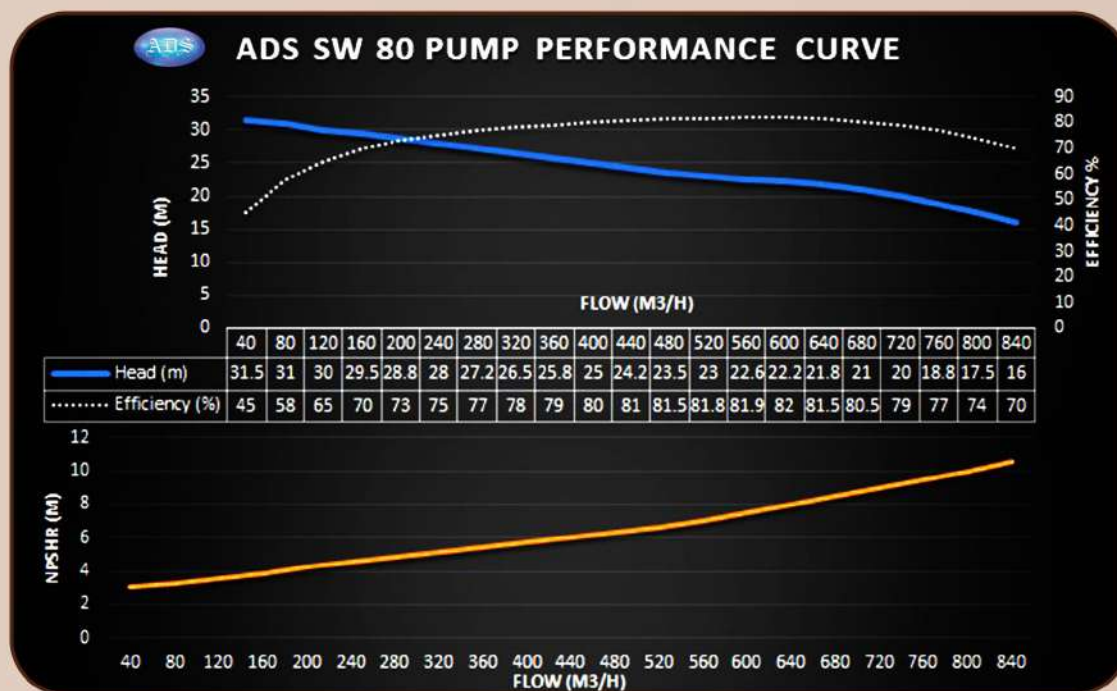
COMPONENT	STANDARD MATERIAL
Casing (Volute)	Cast Iron (FG 260) / Ductile Iron
Impeller	Cast Iron / Bronze (Semi-open type for solids)
Shaft	Stainless Steel (SS 410 / SS 420)
Shaft Sleeve	Stainless Steel (Hardened)
Wear Rings	Bronze / Cast Iron (replaceable)
Bearing Housing	Cast Iron
Gland Packing / Mechanical Seal	Graphite / PTFE packing or Mechanical Seal
Fasteners	Carbon Steel / SS as required

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Model	SW-80	Flow Range (m ³ /h)	40 – 840
Suction × Delivery (mm)	200 × 200	Head Range (m)	16 – 31
Solids Handling (mm)	105	Priming System	NRV Auto Priming
Mounting	Two-wheel towable trailer/Skid Mounted	Prime Mover	Diesel Engine/Electric Motor
Prime Mover Capacity	5.25 Bar	Prime Mover Capacity	80HP/60KW
Hydrostatic Pressure Test			

PUMP PERFORMANCE Curve

The performance curve below shows Head vs Flow for the ADS SW-80 pump at 1500 rpm.



DESIGN Features

- High solids handling capacity with semi-open impeller design
- Reliable priming with simple NRV system (no vacuum pump required)
- Skid- or trailer-mounted for easy site mobility
- Replaceable wear parts for extended service life
- Rugged construction suitable for sewage and effluent pumping
- Available in supply and rental models with complete O&M support

Applications

- Sewage bypass pumping during municipal works
- Industrial effluent pumping
- Mine dewatering with suspended solids
- Storm water & flood control
- Infrastructure projects requiring solids-laden water movement
- Emergency contingency pumping

WHY CHOOSE ADS?

- 25+ years of dewatering and pumping expertise
- 400+ successful deployments across India
- Trusted by NTPC, L&T, NHPC, Adani, Tata Projects, and more
- Reliable supply and rental solutions with rapid mobilization

SUPPLY VS RENTAL Offerings

Supply (Sales): Designed for permanent installations in power plants, industries, and utilities, configured for site-specific conditions.

Rental (With O&M): Fully managed pumping packages provided on hire with operation, running, and maintenance under ADS scope—ideal for contingency works and emergency deployments.



Arihant Dewatering Systems



Phone:

+91 9818740559

Mail:

Sushant.bansal@arihantdewatering.com
Sushantbansal.ads@gmail.com
Sales@arihantdewatering.com

Address:

146, Anand Industrial Estate,
Mohan Nagar, Ghaziabad 201007 U.P.