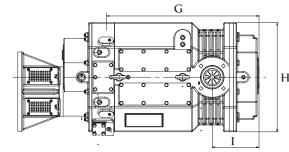
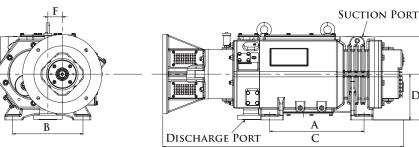
THIONYL CHLORIDE SOCL₂, PHOSPHORYL CHLORIDE POCL AND HCL SHALL HAUNT YOU NO MORE.



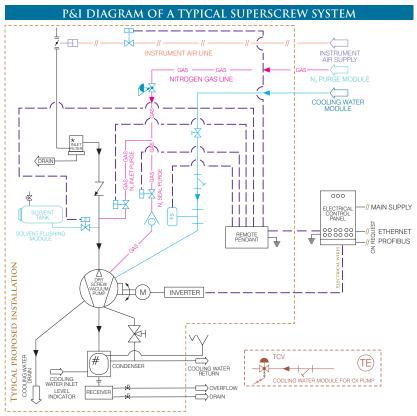
DIMENSION DIAGRAM

EVEREST HAS THE SOLUTION





												Discharge Port	
ESP	H 60	185	170	535	115	220	32	365	260	130	35	25	
ESP	H 150	260	210	775	145	260	45	475	320	175	40	50	
ESP	H 300	370	290	935	190	345	60	595	435	195	50	50	
ESP	H 400	415	310	1060	200	365	65	675	480	205	65	50	
ESP	H 800	440	360	1195	220	400	75	775	480	245	100	65	
ESP	H 1500	720	460	1570	302	550	110	1105	710	267	125	80	
ESP	H 3000	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	



STANDARD SUPPLY | Screw Pump, Motor, VFD, Seal-Purge, Cooling Water Module (Standard), Non-Return Valve, Main Isolation Valve

- # Can be placed Upstream/Downstream as per requirement

EVEREST ADVANTAGE

EVEREST HAS THE SKILL, EXPERTISE, KNOWLEDGE AND CAPABILITY THAT IT HAS ACQUIRED OVER THE YEARS TO CUSTOM DESIGN VACUUM SYSTEMS FOR SPECIFIC CUSTOMER REQUIREMENTS AND DELIVER GUARANTEED RESULTS

RELIABLE LOW MAINTENANCE DURABLE INDIGENOUS COST EFFICIENT

EVEREST PRODUCT RANGE

VACUUM

MECHANICAL VACUUM BOOSTERS DRY SCREW VACUUM PUMPS

SUPERVAC

ROTARY VANE VACUUM PUMP SuperVane VACUUM SYSTEMS (WET) ENGINEERED VACUUM SYSTEMS MECHANICAL VAPOUR RECOMPRESSOR (MVR|MVC) LOW TEMPERATURE THERMAL EVAPORATOR (LTTE)

PRESSURE

TWIN LOBE ROOTS BLOWERS TRI LOBE ROOTS BLOWERS CENTRIFUGAL BLOWERS TURBO BLOWERS BLOWER PACKAGES

INDUSTRIES SERVED

CHEMICAL & PHARMACEUTICAL

VACUUM FURNACE INDUSTRY

Heat Treatment Optical Coating Degreasers in Furnace

ELECTRICAL INDUSTRY

Transformer Vacuum Impregnation

Transformer Oil Purifier

Vapour Phase Drying

INDUSTRIAL PROCESSING

Impregnating Windings Drying Textiles Mills Sterilizing re-circulation through Ethylene Dioxide Incandescent CFL and Tube Light Manufacturing TV Tubes Manufacture

FOOD PROCESSING INDUSTRY

Deodorization of Vegetable Oil (FFA Distillation)

Our technology is so flexible, we can custom manufacture Special Blowers, Vacuum Pumps & Systems by alloying and cross linking diverse designs to suit individual requirements and import substitutes.





EVEREST VACUUM

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SUPERSCREW DRY SCREW VACUUM **PUMPS**



HYBRID COMBINED VARIABLE PITCH

EverestVacum a brand of Everest Blower Systems Private Limited brings to its customers, hybrid combined variable pitch Dry Screw Vacuum Pumps | SuperScrew.

These are widely used in chemical, pharmaceutical, petrochemical, food processing, plastics, CD-DVD manufacturing, thin-film & wiped film evaporation and many other applications which require a clean and stable vacuum in general and central vacuum industry.

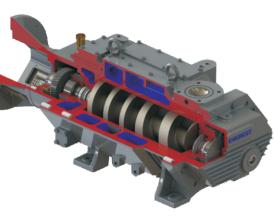
SuperScrew is the newest development in the vacuum pump industry. They offer a number of advantages over traditional vacuum pump design. There is No Oil / No Water in contact with the process vapours, therefore they are considered extremely environment-friendly.

As these pumps are completely dry, the process vapour can pass through the pump without any contamination and be collected at the discharge of the system by a vent condenser. This offers the customer a very efficient vapour recovery management system and an environmentfriendly vacuum ecosystem.

We don't just offer **Blowers**, **Boosters and Systems** we offer **SOLUTIONS!!**

ESP-H 400 Hybrid Combined Variable Pitch

A Pump designed to perform in harsh tropical conditions



EVEREST VACUUM

SuperScrew Dry Screw Vacuum Pump

SALIENT FEATURES

- •100% Oil-Free Dry Pumping
- •Hybrid Combined
 Variable Pitch Screw
- •Faster Pump Down Time
- •Superior Ultimate Vacuum
- •Low Discharge Gas Temperature
- Low PowerConsumption
- Low Noise and VibrationSpecial Alloy Casting for Durability
- •Special Coating For

OPERATING PRINCIPLE

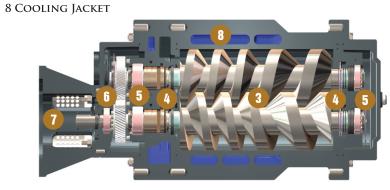
The EVEREST ESPH Dry Screw Vacuum Pump is a hybrid variable pitch screw, dry running non-contact type vacuum pump. Two parallel screws, rotating in the opposite directions, having a highly sophisticated surface profile consisting of an Archimedean Quimby and an Arc curve. The driveshaft rotation is clockwise (CW) when viewed from the motor end (Drive End) of the pump. Helical timing gears position these screws relative to each other. The pumped gas is compressed into the discharge port by the rotation of the screws. The advanced screw design results in lower energy consumption compared to standard screw design. This also results in lower heat generation because of the high compression of the gas/vapours.

THE ADVANCED SCREW DESIGN
RESULTS IN LOWER ENERGY
CONSUMPTION COMPARED TO
STANDARD SCREW DESIGN

KEY FEATURES

- Reduced power consumption as opposed to the standard screw design pump by up to 30%.
- Low discharge gas temperature and high volumetric efficiency resulting in lower pump downtime with higher ultimate process vacuum.





SUPERSCREW DRY SCREW VACUUM PUMP

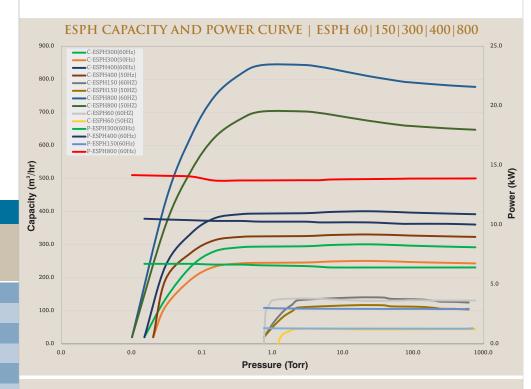
SPECIFICATIONS												
Model	Nominal Displacement (50/60 Hz)		Ultimate Vacuum		Power (KW)		Rotation (RPM)				Weight (Bare Shaft)	
	m³/hr	CFM	Torr	Pa	50 Hz	60 Hz	50 Hz	60 Hz	Lts./Min	Lts.	Kgs.	
ESPH 60	50/60	35/25	0.75	100	2.2	2.2	2900	3480	3~5	0.8	80	
ESPH 150	120/150	70/90	0.75	100	3.7	3.7	2900	3480	5~10	1.2	200	
ESPH 300	250/300	150/180	0.075	10	7.5	7.5	2900	3480	10~15	1.8	300	
ESPH 400	330/400	195/235	0.075	10	7.5	11	2900	3480	10~15	2.2	380	
ESPH 800	660/800	390/470	0.05	6.66	11	15	2900	3480	15~20	3	500	
ESPH 1500	1250/1500	735/885	0.05	6.66	30	37	1470	1750	30~40	8	1200	
ESPH 3000	2250/2700	1325/1590	0.05	6.66	45	55	1470	1750	40~50	10	1500	

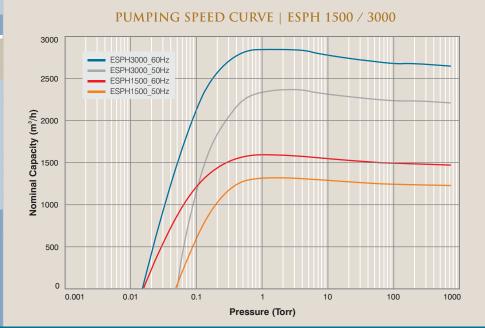
		STD Standard Application	ENP Mildly Corrosive Application	CX Corrosive Application	CL Clean Application
SEAL TYPE	HVS	HV (Suction) Double Lip (PTFE+PTFE) Seal	HV (Suction)Double Lip (PTFE+PTFE) Seal on Alloy Steel Sleeve(H&G)	HV (Suction) Double Lip (PTFE+PTFE) Seal on Alloy Steel Sleeve (H&G)	HV (Suction) Double Lip (PTFE+PTFE)
	LVS	LV (Discharge) Double Lip (PTFE+PTFE) and Mechanical Bellow Seal (AM350+Viton), N2 Purged	LV (Discharge)Double Lip (PTFE+PTFE) & Mechanical Bellow Seal(AM 350+Viton), N2 Purged	LV (Discharge) Double Lip (PTFE+PTFE) & Mechanical Bellow Seal (HAST-C+Kalrez), N2 Purged	LV (Discharge) Double Lip (PTFE+PTFE) Seal
мос	BODY	C.I FG 260 with PEEK coating	Alloy Cast Iron with ENP	Alloy Cast Iron with ENP+PEEK coating	C.I FG 260 with ENP
	SCREW	Ductile Iron with PEEK coating	Alloy Ductile Iron with ENP	Alloy Ductile Iron with ENP+PEEK coating	Ductile Iron with ENP
	CP PLATE	C.I FG 260 with PEEK coating	Alloy Cast Iron with ENP	Alloy Cast Iron with ENP+PEEK coating	C.I FG 260
	GP PLATE	C.I FG 260 with PEEK coating	Alloy Cast Iron with ENP	Alloy Cast Iron with ENP+PEEK coating	C.I FG 260

ANTI CORROSIVE DRY SCREW VACUUM PUMP | CX

SALIENT FEATURES

- ENP coating on Alloy Cast Iron Casing
 ENP coating on Alloy Ductile Iron Screws
 Hast-C Bellow M/Seal with Kalrez O-ring
- •PTFE Double Lip seal on SS 410
- Hardened and Ground Bush
- Synthetic Lubrication Oil
- •N₂ Inlet and N₂ Seal Purge
- PLC Controlled Logic of all instrumentation
- PEEK/HALAR coated internals of all pipelines (opt.)
- •PTFE lined SS 304/316 Valves
- •Thermostatic Control Valve (TCV): To maintain optimum operating temperature of the pump thereby limiting any vapour condensation
- •Top Suction/Bottom Discharge: To ensure the free gravity flow of any condensate/solvent getting condensed within the pump





EVEREST ADVANTAGE HIGH VOLUMETRIC EFFICIENCY | LOW ENERGY CONSUMPTION | PACKAGE SUPPLY | PLUG AND PLAY CONCEPT