

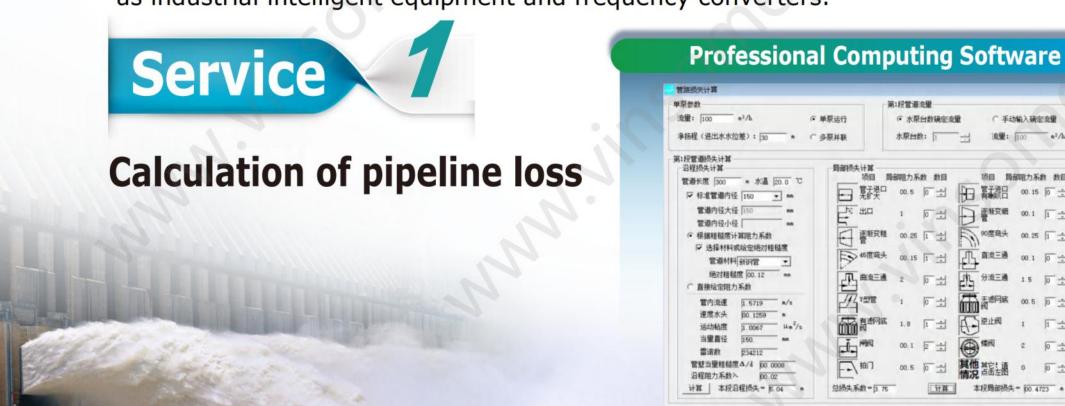
INTRODUCTION

DONGGUAN VINSOME is a professional provider of overall technical solutions in the fields of fluid machinery and fluid engineering, industrial equipment automation, and frequency converters.

- The company has multi-professional technical talents, including a total of 8 professional technical talents in fluid engineering, electrical engineering, and electronic engineering.
- The company has long-term professional and technical cooperation with Jiangsu University, Chinese Academy of Sciences, and Guangdong University of Technology.
- DONGGUAN VINSOME CO., LTD. setup in 2007 (EPP/Hydroblue), is known as a fast-growing provider for pumps, motors, sealing systems, couplings, gearboxes and engineering solutions. We are dedicated to provide customers with precise and reliable service by combining the manufacturing capability of mainland China with our supply chain management services through our extensive network of Chinese factories.
- VINSOME's vision is to provide our customers with the highest level of satisfaction imaginable by offering innovative solutions, nurturing long-term relationships, anticipating future needs and being highly responsive to their emergencies at the most cost effective basis.
- Over the years, VINSOME has established itself in Singapore, Malaysia, Indonesia, Thailand, Russia, Belarus, Ukraine and China market, focusing more and more on oil and gas industry, mining, utilities and government sectors.



- Cooperate with the National Research Center of Pumps of Jiangsu University in the fields of pump hydraulic model design, hydraulic characteristics research, numerical simulation of flow in the pump, and intelligent energy-saving technology and equipment research;
- Cooperate with the Chinese Academy of Sciences in the field of special coating technology for pump wet parts to meet users' exclusive requirements for corrosion resistance and wear resistance;
- Cooperate with Guangdong University of Technology in the fields of industrial control and drive such as industrial intelligent equipment and frequency converters.

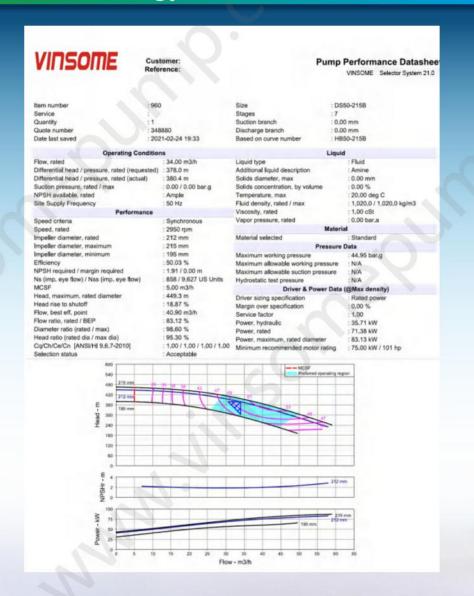






Reliable and precise pump model selection

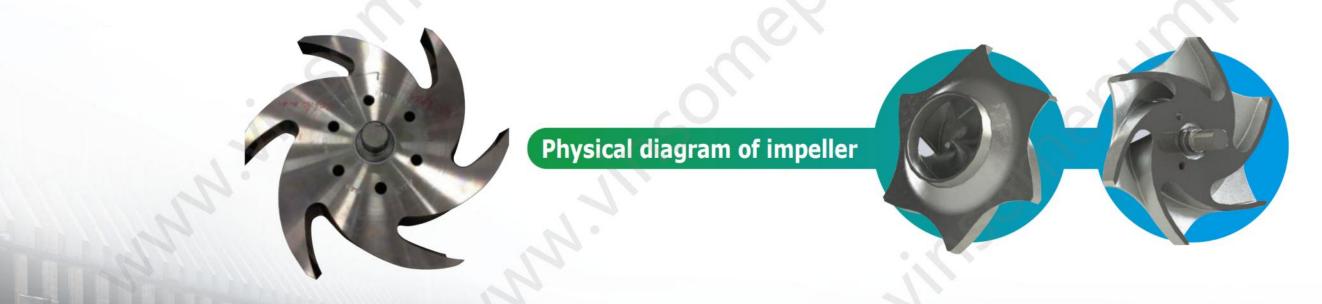
Technology selection software







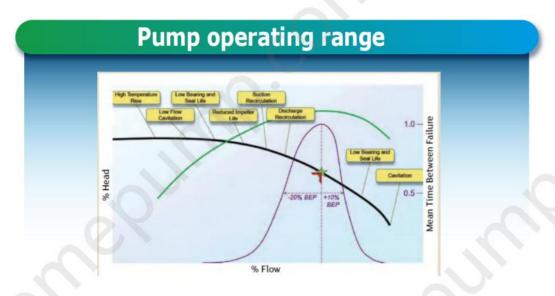
Professional reverse-engineering for critical spare parts

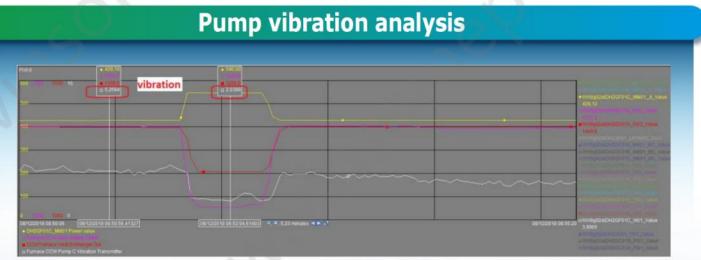






Analysis for pump service data and results









Pump process supervision and control



PN.1 Casting Model



PN.2 Manufacturing Parts



PN.3 Impeller Static & Dynamic Balance Testing



PN.4 Hydrostatic Testing



PN.5 Double Suction Split Case Centrifugal Pump Testing



PN.6 Pump Vibration Testing



PN.7 Film Thickness Testing



PN.8 Circulation Water Pump Testing



PN.9 Condensation Pump Testing



PN.10 Open Impeller Pulp Pump Testing



Professional Inspection Test Plan (ITP)

INCRE	COTION AND TEST DI AN			Document No.			
INSPE	ECTION AND TEST PLAN			Rev	Date	Prepared by	Approved by
Item	Tests	Applicable	Acceptance Criteria	Intervention			Remarks
100111	16363	Standard	Acceptance officina	HydroBlue	MARLY	Owner	Remarks
1	Material (Pump casing / pump cover / Impeller / Shaft) of certificate	EN 10204-3.1B	EN 10204-3.1B Certificate	R			
2	Rotor (or Impeller) Static & Dynamic Balancing Testing	ISO 1940-1	According to guidance for balance gravity grade for rotors G2.5	W			
3	Hydrostatic Testing	ISO5199	Hydrostatic pressure shall be 1.5 times the maxinum allowable working pressure. Pt =17.5bar(12 bar + 5.5bar) x 1.5 = 27bar	W			
4	Hydraulic Performance Testing	ISO9906	Rotodynamic pumps-Hydraulic performance acceptance tests Grade 2	W			
5	NPSHR Performance Testing	ISO9906	Pump data sheet and spec, If the difference between NPSHR and NPSHA is greater than 1 meters, do not do NPSH test.	W			
6	Mechanical Run Testing	ISO9906	Temperature readings shall be taken every 10 minutes for the first hour and every 15 minutes until stabilization.	М			
7	Pump Vibration Testing	ISO 2372	Ensure measurements are according to vibration amplitud acceptance guidelines of ISO 2372.	W			
8	Sound-level messurement area	ISO 3746	Factory test values are only for reference	W			
9	Final Inspection including Visual Dimensional and Painting	As-bulit drawing	All the critical dimensions are according to approved General Arrangement Drawing (As-bulit drawing)	R			
10	Mannufacturer Data Book	FAT	Factory routine	R			
11	Packing Inspection		According to our export packing procedure	М			
H: Ho W: W R: Re	d of Inspection Points: old point itness inspection/test shall be performed elease of certificates oritoring		Notes: witness test will be done on 1 unit per each item.				



Professional Inspection Test Plan (NDT)

PT: Liquid Penetrant Inspection / Impeller



PT: Liquid Penetrant Inspection / Welded Baseplate



Materials inspection standards							
Type of inspection	Methods	Acceptance criteria					
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		For fabrications	For castings				
Radiography / RT	ASME BPVC, Section V, Articles 2 and 22	ASME BPVC, Section VIII, Division 1, UW-51 (for 100 % radiography) and UW-52 (for spot□radiography)	ASME BPVC, Section VIII, Division 1, Appendix 7				
Ultrasonic inspection / UT	ASME BPVC, Section V, Articles 5 and 23	ASME BPVC, Section VIII, Division 1, Appendix 12	ASME BPVC, Section VIII, Division 1, Appendix 7				
Liquid-penetrant inspection / PT	ASME BPVC, Section V, Articles 6 and 24	ASME BPVC, Section VIII, Division 1, Appendix 8	ASME BPVC, Section VIII, Division 1, Appendix 7				
Magnetic-particle inspection / MT	ASME BPVC, Section V, Articles 7 and 25	ASME BPVC, Section VIII, Division 1, Appendix 6	ASME BPVC, Section VIII, Division 1, Appendix 7				
Visual Inspection / VT□(all surfaces)	ASME BPVC, Section V, Article 9	In accordance with the material specification and the manufacturer's documented procedures	MSS SP-55				



Professional Inspection Test Plan (Reports)

Material of certificate

Quality Certification No. G. R. 004

Supplier		P.O.	No.	WBS#	losing	Du	te .	Approval	Conclusion	
Delan Pensa Co.32		Air	274		851	2922,97.26		L290	PASS	
Line no.	Part name Avenity		Drawing no.	Melting No. 8		Skut	trustaent No.	Identification		
-	ist impeller		4-	1-1040947950140- 3-2	517	12		19122	8	
	Diffuser		1.	2-204064790V140- 3-2	9178	=		19121	V	
-	Impelier		16	1-158894713114C- 2-2	61702		19121		10-	
	Stage casing		12	######################################	8378	22	10	19122	-	

Chemical Analysis

Severial crawlerd	68	11302-8	9 20230	-410	Melting No. G17F22			1			
Composition	c	Me	71	P	1	Or .	N	Mo	Cu	V.	Recidual
Standard Value	SA.30	<0.90	<0.86	<0.107	55.00	54.35	68.0	< 8.29	<0.40	150.00	%I,00
Actual Dates	0.23	0.65	1.0	Kin.	1.102	6.23	0.02	0.009	0.000	0.081	0.10

Heat Treatment

HT No.	MI Method	Holding Temperature	Holding Time	Cooling Method
19120	normalizing	700±100	38c	water
		0		

A 1 9

Standard	68 11312-99 26239-458		Speciaes No.	917727		
Ites	ennile Strengt Wea	Tield Strength	Elongation Rate	Beduction Area	Sicritores 1800	
Standard Values	2-410	3/230	∂=22	>32		
Actual Datum	589	336	33,5	61		

The following test requirements and data please see the attackment file

□ Impact Test □ Hard surface overlay

We between certify that visual and disension impection of the ab requirements of specifications or drawings sentioned on P.O.

110000

Material heat-treatment curves

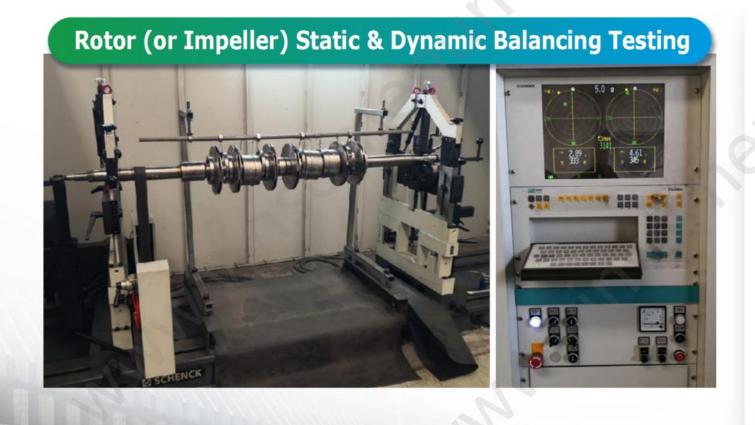
Positive Material Identification / PMI







Professional Inspection Test Plan (Testing)







Professional Inspection Test Plan (Testing)



Double-suction Split Casing Pump Hydraulic Performance Testing



End-suction Pump Hydraulic Performance Testing





Overseas Projects

1 Water Treatment

Water purification , Utter Water purification , Seawater Treatment , Concentration of Concentrated Salt-Zero Emission

2 Sewage Treatment

City sewage treatment, Industrial sludge, Industrial sewage, Electronics industry, Electroplating, printing and dyeing

3 API610 Petroleum Industry

Petroleum, Petrochemical and Natural Gas Industries (Refinery, Petrochemical, Oil & Gas etc.)

4 Thermal Power Plant

Cooling, Circulation, Boiler feed water, Condensate water

5 Pulp Industry

Palm oil , Sugar, Pulp & Paper plant

6 Air Conditioning & Fire Fighting Engineering

Air Conditioning, Fire Fighting

7 Chemical Industry

Coating, Ceramics, Food processing, Pharma

8 Pump Station

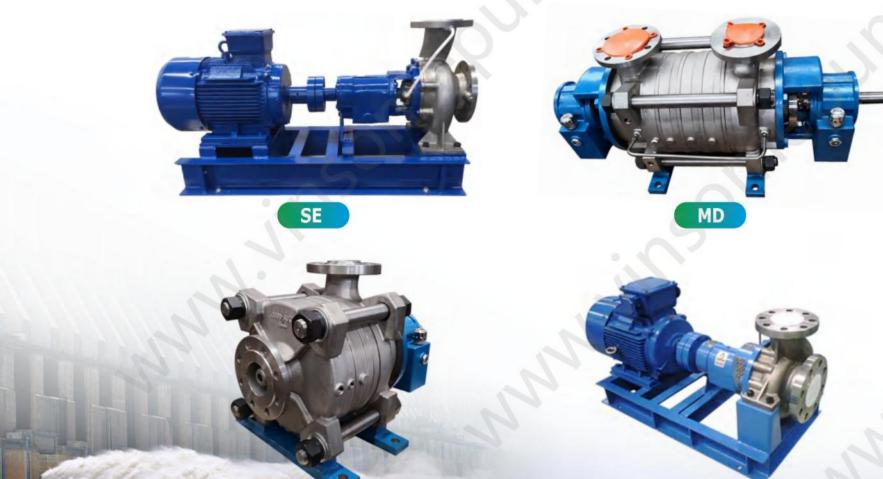
Hydraulic engineering, Pump station

- 9 Replacement / Repair Spare Parts
- 10 Digital Intelligent Control Water Pump





SEH















NEMO Screw Pump







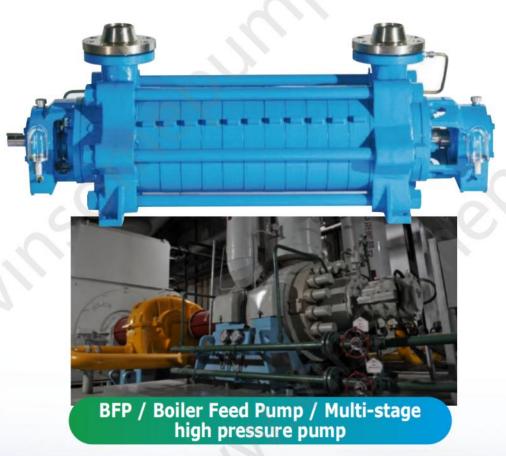








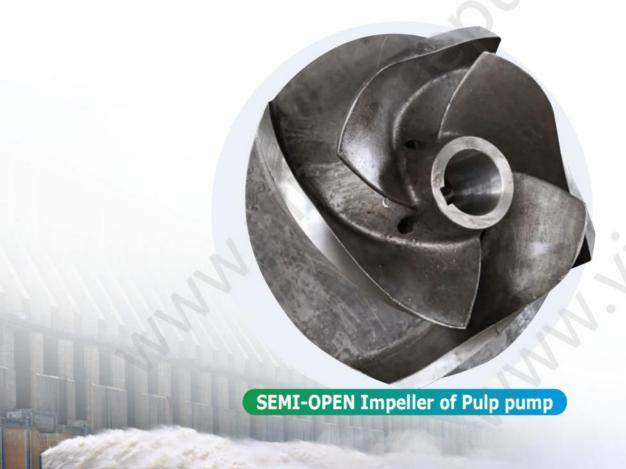
























Air-conditioning

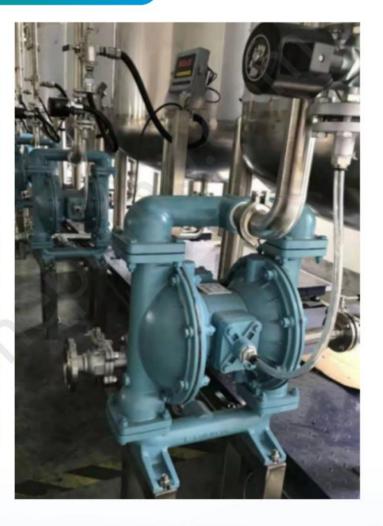






Air Operated Diaphragm operation Site













Overseas Projects

Replacement / Repair Spare Parts



Pump Type	Description
V-FLOWS	Mark 3 ANSI / Durco ISO / CPX / FRBH / ERPN / HPX / HDX / HED / WCC / DMX
V-SUL	APP / NPP / WPP / EPP / AUP / ZPP / CPT / OHHL / MC / MD / GSG / CD8 / BBTD / MSD / MCA / MCE / MCV
V-GOULDS	3196 / 3175 / 3180 / 3185
V-AND	S / S3 / S8 / ACP
V-SANPIPER	BS02 / BS05 / BS10 / BS15 / BS20 / BS30
V-NEMO	BY / SY
V-SEEPEX	MD / BN
V-WARMAN	AH / AHR / HH / L / SP / SPR / G
V-FLYGT	N-series / H-series / C-series / F-series / M-series



Overseas Projects

Digital Intelligent Control Water Pumps

JWZBN intelligent self-priming water pump

SCPMN In-line intelligent booster water pump

SJETSNT intelligent stainless steel self-priming water pump

house shielded booster water pump

SWH intelligent whole















PUMPS (BFP)

For Thermal Power Plant







SE PUMPS

For Water Treatment Plant System









CWP PUMP IMPELLER

FOR NUCLEAR POWER PLANT

VINSOME provides with Mixflow pumps up to **3.5m** diameter impellers for this sectors.







Submersible Pumps to Australia







- Pumps to Sudan
- Water Treatment Project
- Quantity No. 200 sets



- Pumps to Ethiopia
- Water Treatment Project
- Quantity No. 100 sets



AE SERIES

Single Stage End Suction Centrifugal Pumps



SE SERIES

Single Stage
End Suction
Centrifugal
Pumps for
Zero discharge
sewage
treatment



OIL-COOLING SCREW CENTRIFUGAL PUMPS

For Sewage Treatment





Submersible Axial Flow Pumps







Our Suppliers

Pump Parts Casting





Motors











Mechanical Seal

EagleBurgmann.







Bearings









Our Suppliers

Couplings



VIVA Elastomeric Couplings



Omega Elastomeric Couplings





Flexible Disc XTSR Couplings





