

Fight Against Fire

WATEX

WATEX

www.watexindustries.com





WATEX Pumps Industries, established in 2009 has since been providing reputable firefighting equipment that is consumer friendly and at reasonable prices.

We feel privileged to offer extensively engaging design, assembly as well as marketing high technology pumping systems and services to the ever-increasing infrastructural demands of UAE. WATEX Pumps supplies these products to authorities like DEWA, SEWA etc. as well as offering pumping solutions to local municipalities.

We strive to provide the latest technology and internationally-approved brands at affordable prices to all our customers. We believe in creating and maintaining consumer relationships in order to build mutual trust.

VISION & MISSION

Our Vision

Thinking, Planning, Implementing & Focusing on high manufacturing Standards to prepare every place safe for you

Our Mission

To spread power of water against fire by manufacturing pumps with high quality & service for life according to global standards





ABOUT US

WATEX Pumps Industries is privileged to be associated with the ever-increasing infrastructural demands of UAE.

WATEX Pumps industries, established in 2009 has earned a reputation pumps and fire fighting products at competitive pricing with the added benefit of a customer friendly environment.

We strive to provide the latest technology and international approved brands at affordable prices to all our customers. Our core competency is our customer relationship. We have built a trust with our everyday consumer, which has provided us with regular business for over two decades.

Why Choose Us

We strongly believe in great customer service and work towards the same. In doing so, we offer extended warranties and special offers that are provide by our suppliers and product manufacturers. Our staff is educated about the products are available for any questions or concerns you might have. WATEX PUMPS INDUSTRIES can offer to you a wide range of different types of pumps to be suitable for all applications, this all is between your hand by following the lastest updates of Global standerds we can ensure the 100% qualified pumps.

It is our mission to effectively provide high quality pumping systems in the United Arab Emirates and contribute to a better quality of life.

OUR SERVICES

- Firefighting pumps
- Water pumps
- Industrial Pumps
- Firefighting equipment
- Installation
- Testing commissioning
- Maintenance services
- Repairing services
- AMC
- Supply of assembled control panel

Available In:

- UAE

Abu Dhabi, Dubai, Sharjah, Ajman, Umm Al Quwain, Ras Al Khaimah and Fujairah

- JORDAN

Amman

CEO's Message

The company highly values its clients, viewing the clients of any company as vital to the company's success. It therefore places top priority on seeking out the most highly qualified and skilled employees to provide its clients needs on a continuous & regular basis.

We are highly proud to have been awarded UL, FM, LPCB & ISO certifications an internationally recognised standards that ensures services meet the needs of clients through an effective quality management system.

Eng. Nedal Mahmoud MD













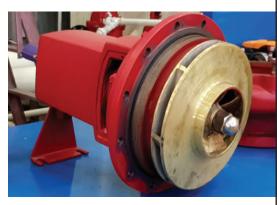








Fight Against Fire













Operation Test

Our pump is to be subjected to an operation test at rated speed under applicable requirements. Performance carve are plotted showing the efficiency, brake horsepower (KW) and total head developed at shutoff at rated capacity at 150 percent of rated capacity and at selected intermediate capacities exceeding 150 percent of rated capacity.

Impeller & Shaft Balancing Test

The sample impeller is to be installed in a calibrated dynamic balancing test apparatus. The impeller is to be evaluated in two correction planes as described in the standard for mechanical vibration -balance quality requirements of rigid rotors.





Hydrostatic Pressure Test

Readings are to be taken of the maximum impeller imbalance and the location of the imbalance in the impeller for each plane.

There still be no rupture or leakage through the castings at the test pressure to be suitable as our fire fighting product.

Vertical Turbine Fire Pumps



A DESCRIPTION OF THE PARTY OF T

These pumps are used to transfer clear water for a wide range of applications, pump intake is either connected to the public underground water supply piping, or a static water source (e.g., tank, reservoir, lake). The pump provides water flow at a higher pressure to the sprinkler system risers and hose standpipes. Our vertical turbine fire pumps are tested and listed for its use specifically from UL for fire service as a third-party of testing and listing agency. Our pumps follows the main code that governs fire pump installations which is NFPA 20 (Fire Protection Association's) Standard for the Installation of Stationary Fire Pumps for Fire Protection

Vertical Turbine Type

Rated Flow - Q up to 2500 GPM Pressure - P up to 328psi

Features

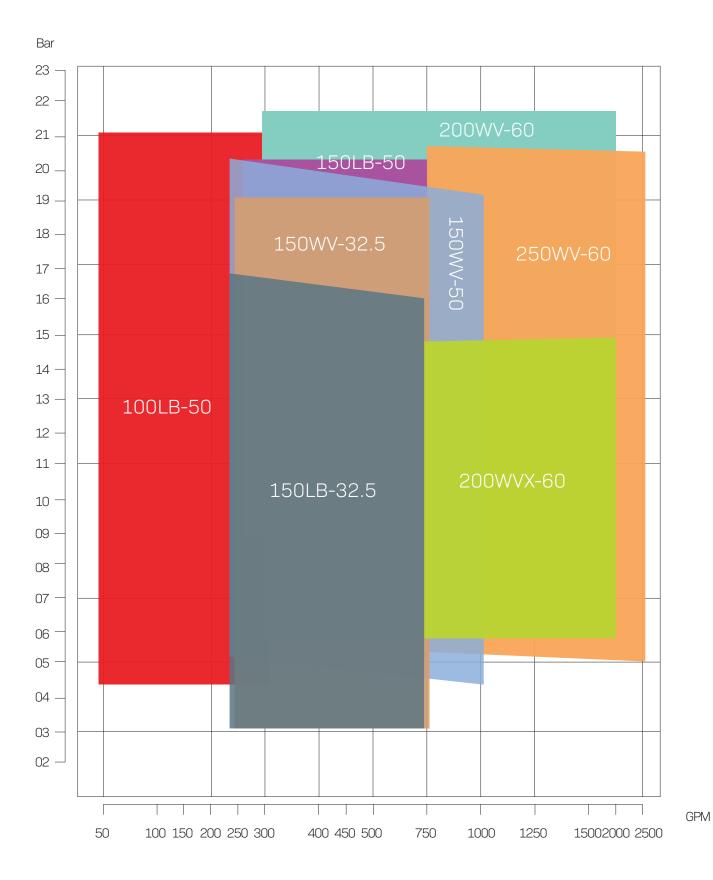
- Designed and built as per UL448g AND NFPA20 for maximum reliability
- Dynamically Balanced Impeller extends bearing life and ensures smoother operation
- Designed with less number of stages to be suitable for variable water levels
- Constructed in variety of metallurgies
- Available in 50Hz
- Drivers with gear boxes at electric and diesel speeds
- Designed for easy maintenance without interfering with piping
- Open line shaft, water lubricated construction for ease of maintenance
- Packaged systems available
- Self-Venting Design eliminates vapor lock and the need for automatic air release valve
- Efficiently Design Shaft to minimize shaft deflection
- Heavy Wall Thickness to provide for generous corrosion allowance
- Sealing arrangement is with packing design for heavy duty operation with integral flushing for packing lubrication
- Modular construction assures complete flexibility in selecting a pump
- Space-saver design, small footprint, ideal for retrofit





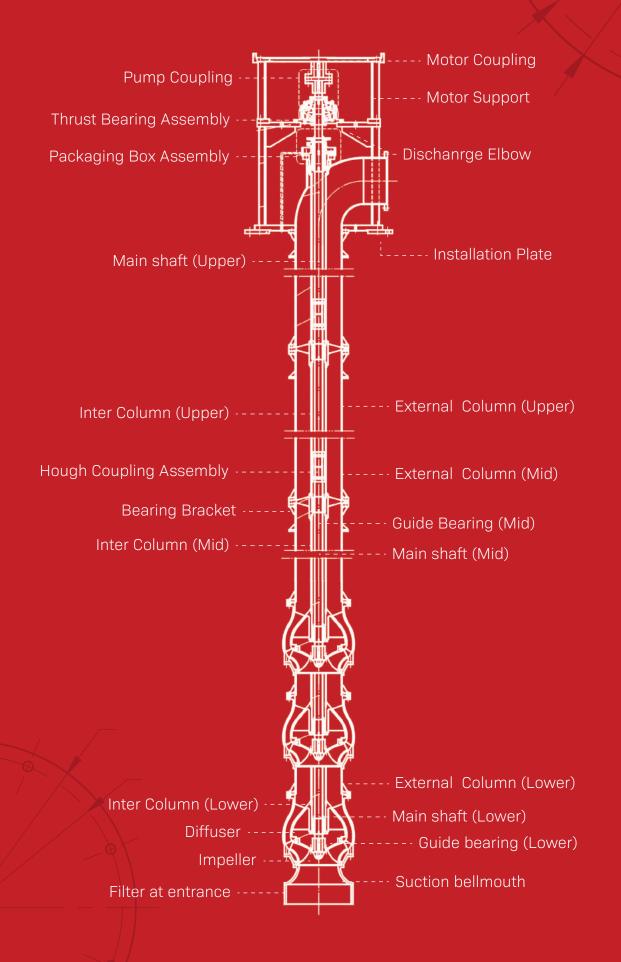
UL FILE NO. EX27224

PRODUCT RANGE



Vertical Turbine Fire Pumps Spectrum Chart

STRUCTURE OF THE PUMP



CERTIFICATE

CERTIFICATE OF COMPLIANCE

Certificate Number Report Reference Issue Date	20180417-EX27224 EX27224-20170613 2018-APRIL-17
Issued to:	Watex Pumps Industries New Industrial Area Amman St, Shed 8 Ajman UNITED ARAB EMIRATES
This is to certify that representative samples of	CENTRIFUGAL FIRE PUMPS, VERTICAL TURBINE Model Designations: 100LB-50, 150LB-50, 150LB-32.5, 250WV-60, 200WV-60, 200WVX-60, 150WV-50, 150WV-32.5.
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety: Additional Information:	UL 448, Pumps for Fire-Protection Service See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bamples

Bruce Mahrenholz, Director North American Certification Program UL LLC



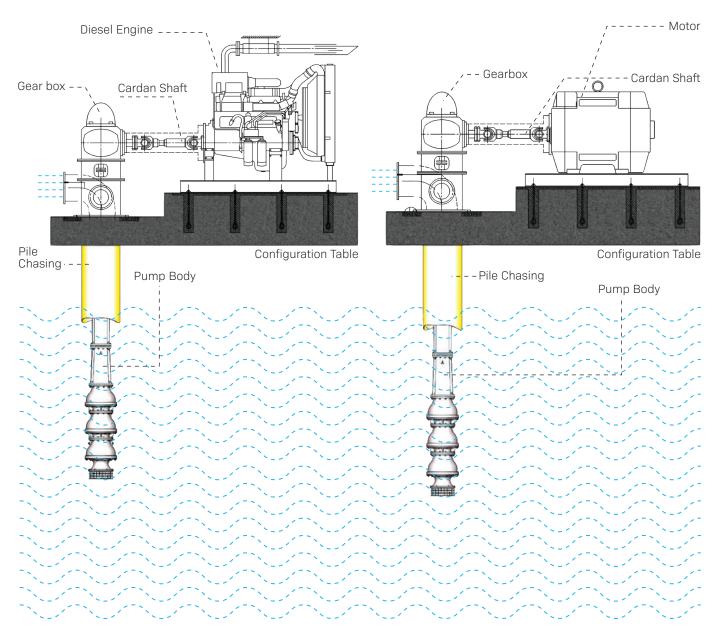
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/ of I II

ASSEMBLY OF PUMPS

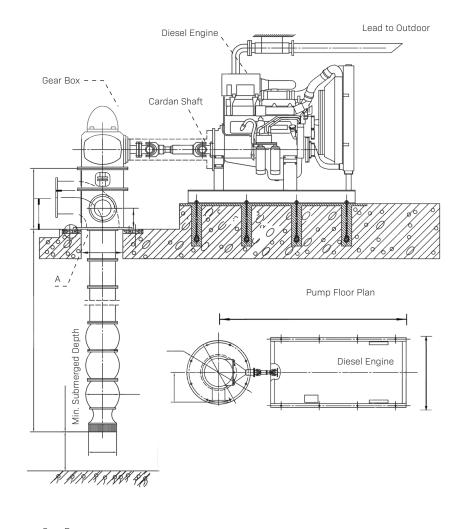


Diesel Engine Fire Pump

Electric Motor Fire Pump



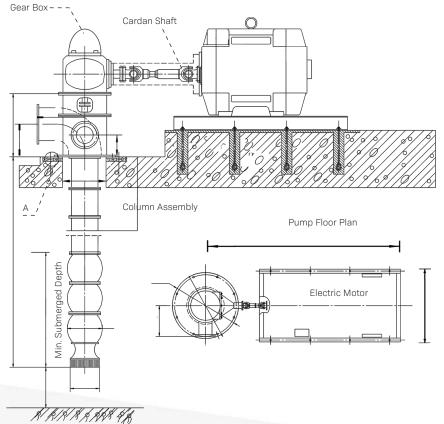
PUMP ROOM ARRANGEMENT



Device No.	
Model	
Manufacturer	

Outlet Flange Dimension



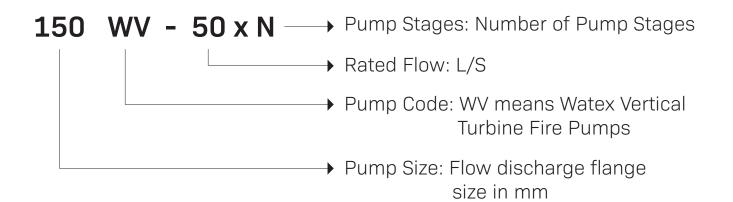


Device No.	
Model	
Manufacturer	

Outlet Flange Dimension



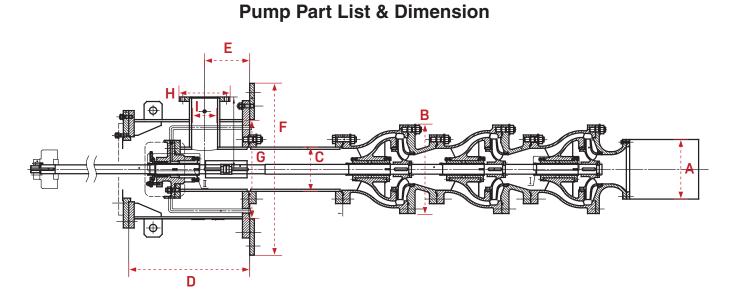
MODEL CODING



Example:

200 WV-50

Means Watex vertical turbine fire pump with rated flow 60L/S (=1000gpm) and discharge flange size of 200mm (8 Inch)



	DESCRIPTION								
MODEL		100LB-50	150LB-50	150LB-32.5	150WV-50	150WV-32.5	200WV-60	200WVX-60	250WV-60
MODEL		(B16.5-CLASS150)	(B16.5-CLASS150)	(B16.5-CLASS150)	(B16.5-CLASS150)	(B16.5-CLASS150)	(GB/T.9119-2010_DN200)	(GB/T.9119-2010_DN200)	(GB/T.9119-2010_DN200)
	A -STRAINER	256 mm	256 mm	336 mm	256 mm	336 mm	436 mm	436 mm	546 mm
	B- DIFFUSER	340 mm	340 mm	490 mm	340 mm	490 mm	580 mm	580 mm	755 mm
	C- EXTERNAL COLOUMN PIPE	300 mm	219 mm	380 mm	219 mm	380 mm	325 mm	325 mm	317 mm
	D- HIGHT OF PUMP BASE	620 mm	700 mm	760 mm	700 mm	760 mm	860 mm	860 mm	970 mm
	E- HIGHT FROM THE GROUND TO MIDDLE OF BASE-B	180 mm	250 mm	250 mm	250 mm	250 mm	275 mm	275 mm	350 mm
	F- MOUNTING PAD (OUTER DIAMETER)	700 mm	800 mm	950 mm	800 mm	950 mm	-	-	-
	G- MOUNTING PAD (INLET DIAMETER)	480 mm	480 mm	550 mm	480 mm	550 mm	-	-	-
	H- FLANGE OUTLET DIAMETER	230 mm	280 mm	280 mm	280 mm	280 mm	375 mm	375 mm	450 mm
	I- FLANGE INLET DIAMETER	100 mm	150 mm	150 mm	150 mm	150 mm	200 mm	200 mm	250 mm
	IMPELLER	ZG0Cr18Ni9 (Corrosion-resistant steel)							
	CASING	Q23	Q235B (steel with good plasticity, toughness and weldability, as well as a certain strength, good cold bending performance)						
PART	SHAFT		2Cr13 (Martensitic Stainless Steel 420)						
PARI BEARING Rubber+0Cr18Ni9 (Stainless Steel)									
	DISCHARGE FLANGE	Q23	5B (steel with good	l plasticity, toughnes	s and weldability, as	well as a certain str	rength, good cold bending	performance)	
BOLTS OG18NI9									

VERTICAL TURBINE FIRE PUMP SUBMITTAL









Fire Pump System

FLOW RATE(GPM)

PRESSURE(BAR)

ELECTRIC DRIVEN + DIESEL DRIVEN + JOCKEY PUMP

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Horizontal Fire Pumps

Horizontal Single Stage, Single Flow Volute Casing Centrifugal pumps with axial Inlet. WS series and WE series for fire fighting Application are designed according to NFPA20

Types	Applications	
1)000	Applicatione	

Split Case End Suction Fire Hoses Fire Hydrants Sprinklers

Performance Range

Flow Rate Up to 2500 Gpm Head Up to 250M

Design & Construction Features

- The pump complies with the standard for pumps of fire protection services UL448
- This pump is UL listed under file No. EX27018 & No.EX27019
- Closed balanced impeller at G 6.3 balance quality grade, specified in ISO 1940-1
 Can be fitted with wear ring secured in a manner that will not permit rotational
- or axial movement
- The pump fitted with shaft sleeve
- Available in electric motor and, or engine driven

Branch Position / Flanges

- Suction Branch: Side / Inline
- Delivery Branch: Side / Inline
- Flanges comply to ANSI B16.1

Pump Consist of

- One Electric Motor Driven Pump
- One Diesel Engine Driven Pump
- Control panel for Automatic & Manual Operation UL-FM Listed
- Pressure Vessel
- Steel Skid

Installation And Use

These pumps are widely used in firefighting applications for supplying waters towards pips to the system and industrial applications. The pump should be installed in an enclosed Environment or sheltered from inclement weather its suitable for with clean water and with liquids that are not chemically aggressive towards the materials from which pump is made.

Our Duties

- Testing and Commissioning of Pumps
- Delivery to the site
- Approval Certificate
- Load Certificate
- Warranty Certificate



Split Case Fire Pumps

WATEX



Series of WS (WATEX SPLIT CASE) fire pumps are serialization products as Horizontal Single Stage, Single Flow Volute Casing Centrifugal pumps with axial Inlet which designed according to NFPA 20 for firefighting Applications.

Models

- •WS 80 270 •WS 100 310 •WS 100 360 •WS 125 290
- •WS 125 360 •WS 150 460

Split Case Type

Rated Flow- Q up to 2500 GPMPressure- P up to 420psiTemperature - T up to 105 CShaft Sealing Soft Packing

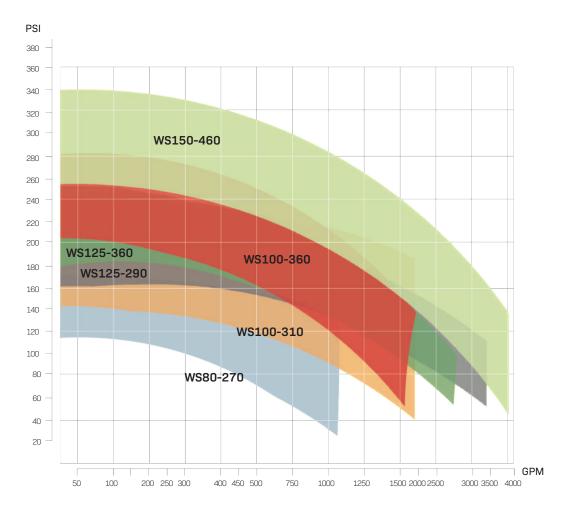




Features

- Designing applies to NFPA20 Standers and specification in accordance with UL448 and FM approval
- Max shaft power point is attained by hydraulic performance instead of pump cavitation, which truly qualified for NFPA20 requirements, as well as ensure safety and reliability of pump units
- Adaptable of electric motor and combustion engine as prime mover
- Varied revolong speed or performance pumps can be supplied according to user's requests
- Max shaft power point is closed to the point of 150% rated capacitym therefore the power and cost are low
- Pressure at shut off point small which require lower pressure rating of fittings or accessories, save cost for whole unit
- Single model covers wide performance range, no need to purchase different models with benefits clients by reducing inventory and shorten delivery

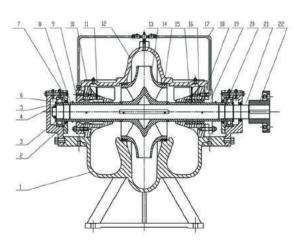
PRODUCT RANGE

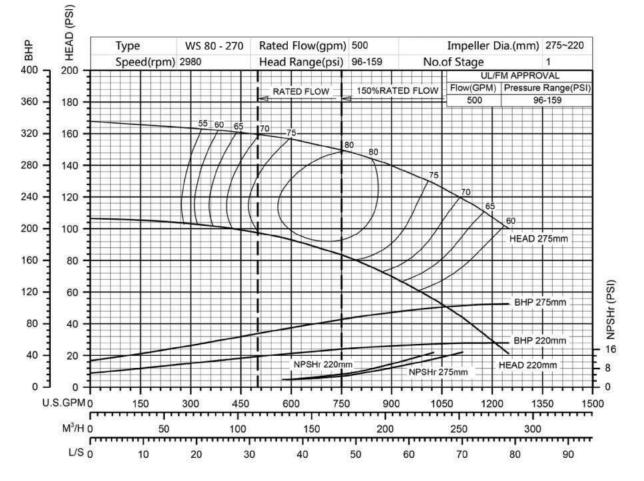


Split Case Fire Pumps Spectrum Chart

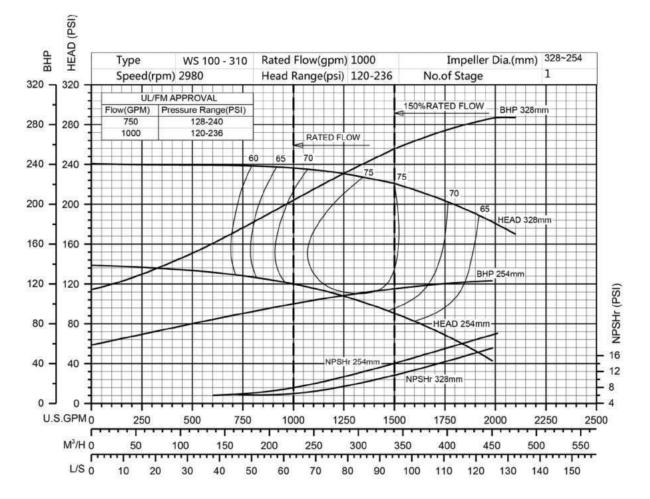
PRODUCT SPECIFICATIONS

No	Part Name	Material	No	Part Name	Material
1	Casing	Ductile Cast Iron	12	Casing Cover	Ductile Cast Iron
2	Bearing Housing	Cast Iron	13	Impeller	Stainless Steel/ Bronze
3	Deep Groove Ball Bearing	Bearing Steel	14	Impeller Ring	Stainless Steel/ Bronze
4	Lock Nut	Carbon Steel	15	Packing Ring	Stainless Steel
5	Lip Seal	Rubber	16	Seal Housing	Cast Iron
6	Bearing Ring	Carbon Steel	17	Flushing Pipe	Stainless Steel/ Bronze
7	Bearing Gland	Cast Iron	18	Gland Packing	Oil Immersed Asbestos
8	Shaft Sleeve	Stainless Steel/ Bronze	19	Packing Gland	Cast Iron
9	Mechanical Seal Gland	Cast Iron	20	Bearing Liner	Carbon Steel
10	Mechanical Seal	Corrosion Resistant material	21	Shaft	Stainless Steel
11	Seal Bushing	Stainless Steel/ Bronze	22	Coupling	Cast Iron





WS 100 - 310

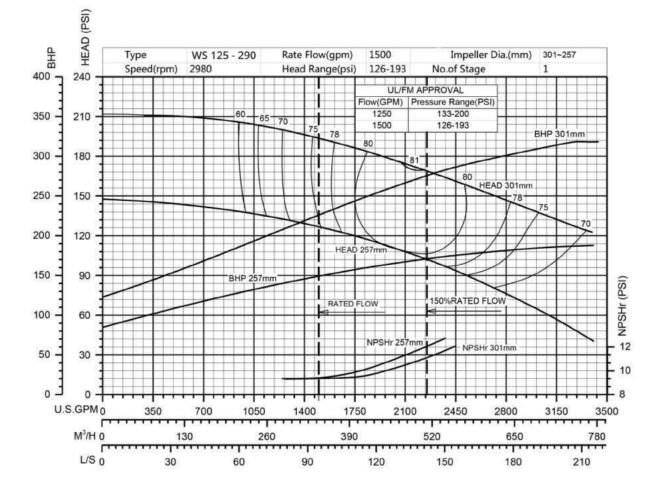


WS 80 - 270

PRODUCT RANGE

HEAD (PSI) BHP Type WS 100 - 360 Rated Flow(gpm) Impeller Dia.(mm) 388~331 No.of Stage Speed(rpm) Head Range(psi) 152-214 UL/FM APPROVAL Flow(GPM) Pressure Range(PSI) 172-239 152-214 RATED FLOW 150%RATED FLOW HEAD 388m NPSHr (PSI) BHP 388mm HEAD 331mm BHP 331mm NPSHr 331mm NPSHr 388mm - 6 U.S.GPM 0 Т Т M3/H 0 L/S 0

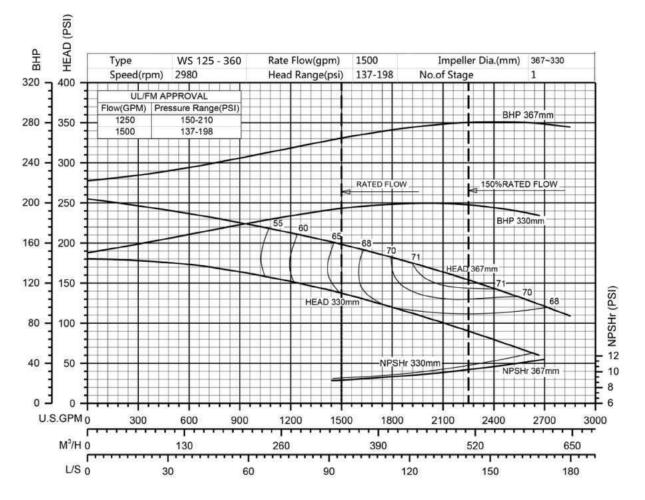
WS 125 - 290



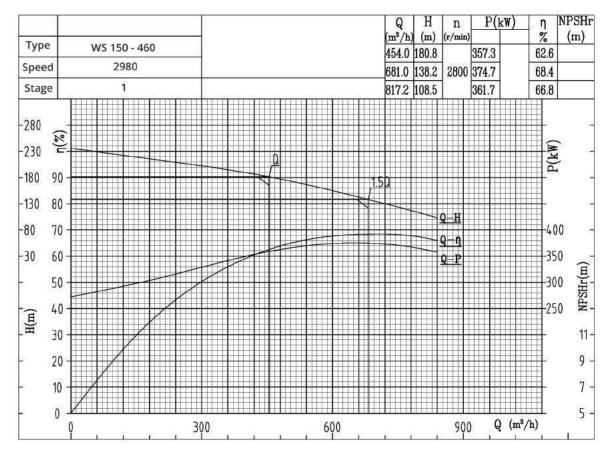
WS 100 - 360

PRODUCT RANGE

WS 125 - 360



WS 150 - 460



SPLIT CASE FIRE PUMP SUBMITTAL







Fire Pump System

FLOW RATE(GPM)

PRESSURE(BAR)

ELECTRIC DRIVEN + DIESEL DRIVEN + JOCKEY PUMP

Fight Against Fire

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End Suction Fire Pump





Series of WE (WATEX End Suction) fire pumps are serialization products as Horizontal Single Stage, Single Flow Volute Casing Centrifugal pumps with axial Inlet which designed according to NFPA 20 for fire fighting Applications.

Models

- •WE 32 200 •WE 32 260 •WE 50 260 •WE 50 315
- •WE 65 260 •WE 65 315 •WE 80 260 •WE 80 315
- •WE 100 260

End Suction Type

Rated Flow - Q up to 1000 GPM Pressure - P up to 229psi Temperature - T up to 105 C Shaft Sealing Soft Packing

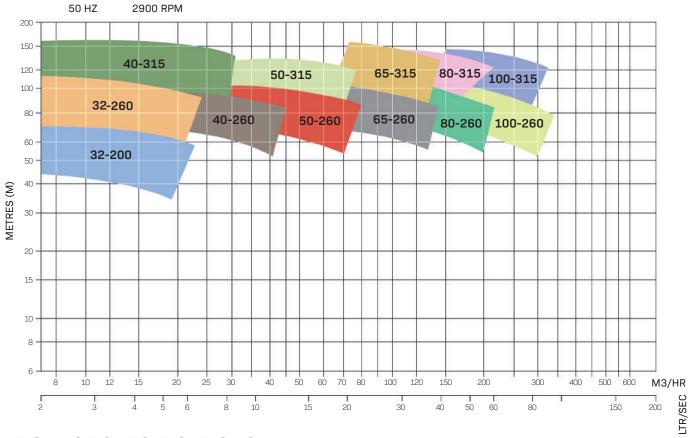




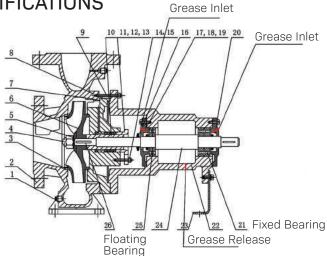
Features

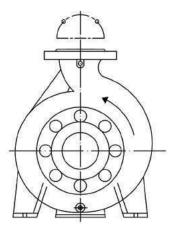
- Designing applies to NFPA20 Standers and specification in accordance with UL448 and FM approval
- Max shaft power point is attained by hydraulic performance incited of pump cavitation, which truly qualified for NFPA20 requirements, as well as ensure safety and reliability of pump units
- Adaptable of electric motor and combustion engine as prime mover
- Varied revolong speed or performance pumps can be supplied according to user's requests
- Max shaft power point is closed to the point of 150% rated capacitym therefore the power and cost are low
- Pressure at shut off point small which require lower pressure rating of fittings or accessories, save cost for whole unit
- Single model covers wide performance range, no need to purchase different models with benefits clients by reducing inventory and shorten delivery

PRODUCT RANGE



PRODUCT SPECIFICATIONS





No	Name	Material	GB	Size
1	Casing	Ductile Cast Iron	GGG40	
2	Casing Wear Ring	Brass	C86500	175x160x15
3	Impeller Nut	Stainless Steel	SS304	M24X2
4	Washer	Stainless Steel	SS304	
5	Impeller	Bronze/ SS	C86300/ AISI304	
6	Casing Cover	Ductile Cast Iron	GGG40	
7	Bolts	Stainless Steel	SS304	M12x35
8	Bearing	Steel		SKF 47309BEP
9	Shaft	Steel		

END SUCTION FIRE PUMP SUBMITTAL

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Fire Pump System

FLOW RATE(GPM)

PRESSURE(BAR)

ELECTRIC DRIVEN + DIESEL DRIVEN + JOCKEY PUMP

Fight Against Fire

www.watexindustries.com

Non UL Fire Pumps



We provide a wide range of fire pump sets with different capacity range vary from 50 GPM up to 2500 GPM at 5, 6, 7, 8, 9, 10 bar pressure however we have ability to manufacture larger pump capacities as per customer's request. All the pump sets must be fully run tested for to ensure that no leak will occur at the required pressure. Moreover, a thoroughly test is conducted to ensure that the pump set is fully operating at the required capacity. A free of charge testing and commissioning will be provided.

Approved From Civil Defense Local assembled Fire Pump & Control Panel



Features

- Highly quality pressure indicator.
- Equipped with local assembly control panel made of high quality electrical component (ABB, Schneider, LS & Andeli) with different available IP Ratings:
- IP Rating/mm400*300*200500*400*200600*500*200600*500*250700*600*2001000*1000*3001200*1000*300
- Supplied either with or without suction line.
- High quality diesel engine: Diesel engines Flow Range (50 2500 GPM)

Diesel engines pressure range (5 – 20 Bar)

- Equipped with suitable electrical motor
- Equipped with Heavy duty coupling
- Equipped with stainless steel jockey pump
- All the pump parts are equipped with Control fittings (Gate Valve, NRV...).
- Equipped with pressure switches
- Equipped with flexible wires (RR type)

Three quality types of fire pumps are available (as per costumer need):

- Diesel, jockey and electrical (E+D+J) assembly complete equipped with or without suction line. All fire pumps are equipped with a pressure tank along with a pressure switch and star delta panel for high rating electrical motors to regulate pressure, guarantee smooth operation and avoid water hammer whenever the pump stops operating. In order to insure a safety operation of the control panel and the power supply all fire pumps are soft starting.
- Diesel / jockey (D+J) assembly complete equipped with or without suction line. All fire pumps are equipped with a pressure tank along with a pressure switch and star delta panel for high rating electrical motors to regulate pressure, guarantee smooth operation and avoid water hammer whenever the pump stops operating.
- Electrical / jockey (E+J) assembly complete equipped with or without suction line. All fire pumps are equipped with a pressure tank along with a pressure switch and star delta panel for high rating electrical motors to regulate pressure, guarantee smooth operation and avoid water hammer whenever the pump stops operating.



Fire Pump System

FLOW RATE(GPM)

PRESSURE(BAR)

ELECTRIC DRIVEN + DIESEL DRIVEN + JOCKEY PUMP

Fight Against Fire

www.watexindustries.com

Fire Fighting Products



Cabinet

• Watex Brand

Types

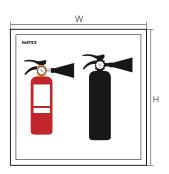
Recessesd Type Surface Type

Material

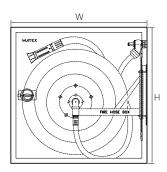
Mild Steel (MS) Stainless Steel (SS)

Single Door Cabinet

Dimentions



- H:80 W: 80 D: 30 - As customer need



Double Door Cabinet

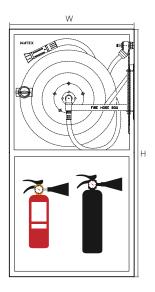
Dimentions

- H:160 W: 80 D: 30 - As customer need

WATEX

RE HOSE REEL

FIRE EXTINGUISHER



Other Types



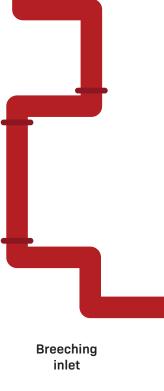


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Hose Reel

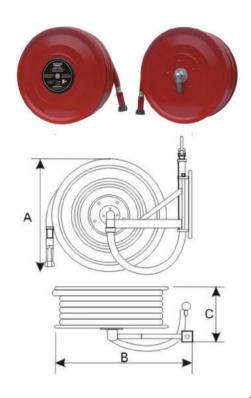
WATEX fire hose reels provide a very effective fire fighting facility with a continuous supply of water available immediately. The construction and performance of a fire hose reel with semi-rigid hose ensures suitable installation in buildings and other construction works for use by the occupants. The fire hose reels are manufactured in both manual and automatic versions to comply to BS EN 671-1:2012 standard



Model No	Туре	Hose Diameter & Length	Reel In Height (A in mm)	Reel Width (B in mm)	Reel Depth (C in mm)	Min Cabinet Size (W x H x D) in mm
WMH-25MM	Manual & swinging	1" x 30 M	600	570-580	210	760x720x230
WAH-25MM	Automatic & swinging	1" x 30 M	555	570-580	230	700x700x260

Features

- Fire hose reel is efficient and reliable for use in all type of buildings. Fire hose reel discs aremanufactured using 1.2mm CRCA sheets.
- Painted with red electrostatic powder coating, Fire hosereel drums also stainless steel. Plastic nozzle has jet/spray/shut-off operations.
- Hose reel working pressure is 15 Bar and bursting pressure is of 50 Bar.
- Hose color is red.
- Hose reels drum has ribs to give extra strength and owed twisting.
- In automatic model the valve open automaticaly within three revolution of the reel. Manufacture as per BSEN671-1





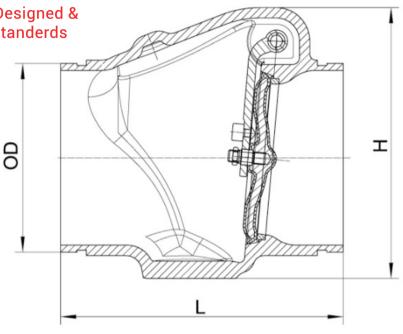
NRV CHECK VALVE UL APPROVED

NRV Fire Protection Check Valves with First Class High Performance Product Designed & Manufactring According international Standerds

LISTED

US

Rating Pressure : 362PSI Grooved Type UL Approved Ontor Brand





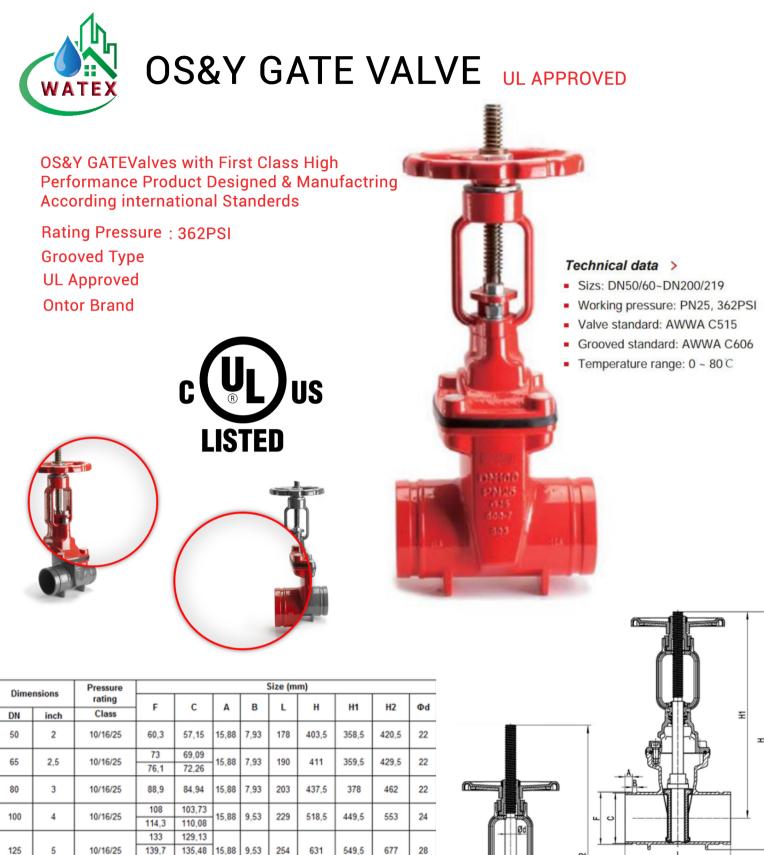
Dime		Size					
Dime	nsions		L		1	OD	
mm	inch	mm	inch	mm	inch	mm	inch
50	2	167	6,6	122,5	4,8	60,3	2,4
65	2,5	180	7,1	136,5	5.4	73	2,9
60	2,5	100	7,1	,1 130,5	5,4	76,1	3,0
80	3	198	7,8	165,5	6,5	88,9	3,5
100	4	229	9	193,5	7,6	114,3	4,5
125	5	254	10	235.5	9,3	139,7	5,5
125	5	204	10	235,5	9,5	141,3	5,6
150	6	272	10.7	252	0.0	165,1	6,5
150	6	212	10,7	202	9,9	168,3	6,6
200	8	330	13	314,5	12,4	219,1	8,6

Name of parts	Material
Body	Ductile iron
Seat Ring	Bronze
Disc	Ductile iron and EPDM
Stopper	EPDM
Clapper Arm	SS304
Hinge Pin	SS304
O-Ring	EPDM
Hinge Bushing	Bronze
Plug	SS304

***All Sizes in Stock**



Technical data Sizs: 2"~8" Nominal pressure: 362psi Grooved standard: AWWA C606 Temperature range: 0 ~ 80°(



747

938

28

32

*All Sizes in Stock

10/16/25

10/16/25

6

8

150

200

141,3

159

165,1

168,3

219,1

137,03

154.5

160,9

163,96

214,4

15,88

19,05

9,53

11,10

267

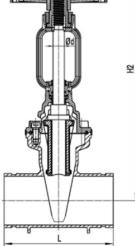
292

686

865

591,5

735,5





Fight Against Fire

WATEX

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