

JCB ENERGY ELECTRIC POWER INDUSTRY

📍 MADRID / SPAIN





MODEL: JSR 01

STANDARD FEATURES

- 10-66 KVA
- SINGLE AXLE
- SCISSOR TYPE
- 2 PIECES OF 185X14 C TIRES
- 2 PIECES OF WHEELS
- FRONT SUPPORT LEG
- FIXED DRAWBAR
- WITH COLLISION AND HAND BRAKE
- UPPER PLATFORM WITH STEEL DECK
- 2 PIECES OF SUPPORT LEGS
- EQUIPPED WITH ELECTRICAL INSTALLATION SUITABLE FOR HIGHWAYS
- MAXIMUM LOAD CAPACITY 1250 KG

MODEL: JSR 02

STANDARD FEATURES

- 70-88 KVA
- SINGLE AXLE, SCISSOR TYPE
- 2 PIECES OF 6.50X16 OFF-ROAD TIRES
- 2 PIECES OF WHEELS
- FRONT SUPPORT LEG
- FIXED DRAWBAR
- WITH COLLISION AND HAND BRAKE
- UPPER PLATFORM WITH STEEL DECK
- 2 PIECES OF MUDGUARDS
- 2 PIECES OF SUPPORT LEGS
- EQUIPPED WITH ELECTRICAL INSTALLATION SUITABLE FOR HIGHWAYS
- MAXIMUM LOAD CAPACITY 1500 KG



**MODEL: JSR 03****STANDARD FEATURES**

- 90-110 KVA
- SINGLE AXLE
- SCISSOR TYPE
- 2 PIECES OF 6.50X16 OFF-ROAD TIRES
- 2 PIECES OF WHEELS
- FRONT SUPPORT LEG
- FIXED DRAWBAR
- WITH COLLISION AND HAND BRAKE
- UPPER PLATFORM WITH STEEL DECK
- 2 PIECES OF MUDGUARDS
- 2 PIECES OF SUPPORT LEGS
- EQUIPPED WITH ELECTRICAL INSTALLATION SUITABLE FOR HIGHWAYS
- MAXIMUM LOAD CAPACITY 1800 KG

MODEL: JSR 001**STANDARD FEATURES**

- 120-175 KVA
- SINGLE AXLE
- SCISSOR TYPE
- FRONT AXLE WITH 360 DEGREE ROTATION
- MECHANICAL COLLISION AND HAND BRAKE FROM DRAWBAR
- 4 PIECES OF 6.50X16 OFF-ROAD TIRES
- 4 PIECES OF WHEELS
- COLLISION BRAKING
- UPPER PLATFORM WITH STEEL DECK
- 4 PIECES OF MUDGUARDS
- EQUIPPED WITH ELECTRICAL INSTALLATION SUITABLE FOR HIGHWAYS
- 4 PIECES OF SUPPORT LEGS
- MAXIMUM LOAD CAPACITY 2500 KG



MODEL: JSR 002**STANDARD FEATURES**

- 200-275 KVA
- TANDEM AXLE
- SCISSOR TYPE
- FRONT AXLE WITH 360 DEGREE ROTATION
- MECHANICAL COLLISION AND HAND BRAKE FROM DRAWBAR
- 4 PIECES OF 6.50X16 OFF-ROAD TIRES
- 4 PIECES OF WHEELS
- COLLISION BRAKING
- UPPER PLATFORM WITH STEEL DECK
- 4 PIECES OF MUDGUARDS
- EQUIPPED WITH ELECTRICAL INSTALLATION SUITABLE FOR HIGHWAYS
- 4 PIECES OF SUPPORT LEGS
- MAXIMUM LOAD CAPACITY 3250 KG

MODEL: JSR 003**STANDARD FEATURES**

- 300-450 KVA
- TANDEM AXLE
- SCISSOR TYPE
- FRONT AXLE WITH 360 DEGREE ROTATION
- MECHANICAL COLLISION AND HAND BRAKE FROM DRAWBAR
- 4 PIECES OF 7.50X16 OFF-ROAD TIRES
- 4 PIECES OF WHEELS
- COLLISION BRAKING
- UPPER PLATFORM WITH STEEL DECK
- 4 PIECES OF MUDGUARDS
- EQUIPPED WITH ELECTRICAL INSTALLATION SUITABLE FOR HIGHWAYS
- 4 PIECES OF SUPPORT LEGS
- MAXIMUM LOAD CAPACITY 4150 KG
- 4 PIECES OF SUPPORT LEGS





MODEL: JSR 004

STANDARD FEATURES

- 490-775 KVA
- TANDEM AXLE
- SCISSOR TYPE
- FRONT AXLE WITH 360 DEGREE ROTATION
- MECHANICAL COLLISION AND HAND BRAKE FROM DRAWBAR
- 4 PIECES OF 7.50X16 OFF-ROAD TIRES
- 4 PIECES OF WHEELS
- COLLISION BRAKING
- UPPER PLATFORM WITH STEEL DECK
- 4 PIECES OF MUDGUARDS
- EQUIPPED WITH ELECTRICAL INSTALLATION SUITABLE FOR HIGHWAYS
- 4 PIECES OF SUPPORT LEGS
- MAXIMUM LOAD CAPACITY 5250 KG

OPTIONS

OPTIONS	MODELS IN USED	FEATURES	MAXIMUM LOAD CAPACITY (KG)
OP-1	300-450 KVA	FOR TRAILERS ABOVE 4 TONS, ADDITIONAL SUPPORT LEG DIFFERENCE FOR EACH 1 TON	4000 AND ABOVE
OP-2	200-775 KVA	FOR TRAILERS ABOVE 3 TONS, 1 PIECE OF NORMAL AXLE AND AIR BRAKE SYSTEM	3000 AND ABOVE

OTHER OPTIONS



**ATEX
Certified**

wyndham|page

Spark Arrestors

A Range of Low Back Pressure ATEX Certified Spark Arrestors

Designed to prevent the emission of high energy sparks from diesel engine exhaust systems.

ABOUT WYNDHAM PAGE LTD

Based in the UK Wyndham Page specialise in the design and manufacture of safety equipment for diesel engines.

Our product range of Air Intake Shutdown Valves includes our E Series Automatic Valves and our F Series Butterfly Valves with solenoid, pneumatic or manual actuation options. We offer Speedswitch kits for the F Series valves and a range of Spark Arrestors designed to prevent the emission of high energy sparks from diesel exhaust systems.

Wyndham Page is headed by Freddy Page-Roberts who brings over 20 years' experience in the diesel safety industry and was previously managing director of Chalwyn Ltd.

All members of the senior management team have considerable experience in organisations specialising in the design and manufacture of hazardous area equipment for diesel engines.

QUALITY ASSURANCE

Wyndham Page Valves are manufactured and tested under our EN ISO 9001: 2015 quality management system.

Wyndham Page Ltd are certified to supply ATEX equipment under Quality assurance Certificate CML ATEXQ11003.

Equipment supplied with an EC Type Examination Certificate is CE marked and meets the provision of the ATEX directive 2014/34/EU.

Self-certified equipment supplied with an EU Type Examination Certificate is CE marked and meets the provision of the ATEX directive 2014/34/EU.



SPARK ARRESTORS APPLICATION

Diesel Engine exhaust Spark Arrestors are a basic, but key safety feature for both hazardous areas and lower risk applications such as agriculture or forestry where a spark from the exhaust system may cause ignition of combustible material. Virtually all legislation regarding the operation of a diesel engine in a hazardous area includes a mandatory requirement to fit an approved exhaust Spark Arrestor.

Wyndham Page Spark Arrestors are designed as a safety device specifically for preventing the spread of sparks emitted from diesel engines. All diesel engines have the potential to emit sparks, even the latest clean engines. This is due to the high carbon particulate content, carbon build up and the high ratio of free oxygen in the exhaust gas when on and off load. The energy carried by these sparks and the risk of them being transmitted over large areas in the presence of flammable materials, gases or dust can significantly increase the chances of igniting fires or causing explosions.

Under Health and Safety guidelines and legislation, such as ATEX, this potential risk has been identified as the cause of many catastrophic fires and the fitting of a Spark Arrestor alongside other protective measures has been mandated as an important means of reducing this. For this reason Spark Arrestors are mandatory equipment in many industries where potentially explosive environments are common.

Wyndham Page Spark Arrestors have been type tested in accordance with relevant standards for arresting incandescent carbon particles (sparks) from the exhaust gas discharge of diesel engines. (They are not certified for any other type of spark suppression applications). The user must ensure that the Spark Arrestor is suitable for its intended application, and that it is correctly sized to the engine specification and power rating. If necessary, noise levels, back pressure and temperature requirements must be assessed. Reference should be made to product data sheets available through the company's web site or check with Wyndham Page or their representative and if necessary, the engine manufacturer. N.B. The operation of an engine in a hazardous environment may require additional safety precautions. A Spark Arrestor is a SAFETY DEVICE and should be treated accordingly.

PRINCIPLE OF OPERATION [CENTRIFUGAL]

All of our Spark Arrestors operate on the principle of a centrifuge whereby the exhaust gas is made to spin rapidly as it passes down the cylindrical body. This causes carbon particles present in the exhaust gas to make repeated contact with the inner wall of the body and in the process heat energy is dissipated to a safe level.

ATEX CERTIFICATION AND MARKING

Our Spark Arrestors are tested and certified to the following standards: EN1834-1 EN1834-2 EN1834-3
They are marked using I.D plates as shown below which include the following information:

Type and size

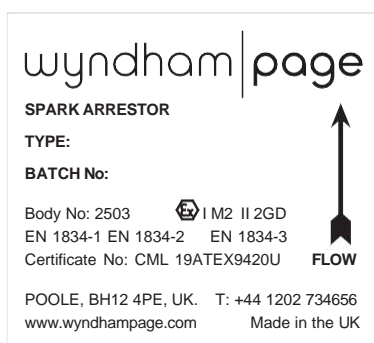
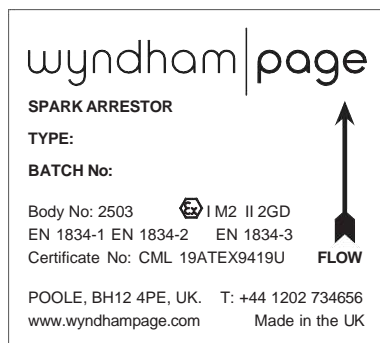
Batch No and Year of Manufacture

WT1L & WT2L SERIES

ATEX certificate and certification details

Gas flow direction arrow.

NT SERIES



SPARK ARRESTOR SELECTION

To enable Wyndham Page to select the most suitable Spark Arrestor for a given application the following data is required:

Engine power rating (KW/HP)

Outside diameter of exhaust pipe (OD in mm)

Engine type, model & application (vehicle, generator etc)

Exhaust emission control/cleaning devices: DPF, DOC, SCR or Ad Blue.

RANGES & DESCRIPTION

All Wyndham Page Spark Arrestors are of 100% stainless steel construction. They are available in 3 ranges. Detailed technical information on each range is given on pages 6 to 8.

WT1L - Auxiliary Spark Arrestors. Are designed to be fitted at the end of the exhaust system in addition to the existing silencer. This range is ideal for short term or temporary installations or where there is limited space. Designed for modern and conventional diesel engines with an output of up to 123KW (165 HP) they can also be used for permanent installations if required.

- Single centrifuge type
- Minimal back pressure
- Good silencing
- Swelled and slotted pipe on inlet

WT2L - Standard Spark Arrestors. Are designed for permanent installation in the exhaust system as a replacement for the existing silencer. Designed for modern and conventional diesel engines with an output of up to 560KW (750 HP).

- Twin centrifuge type
- Minimal back pressure
- Good silencing
- Swelled and slotted pipe on inlet and outlet

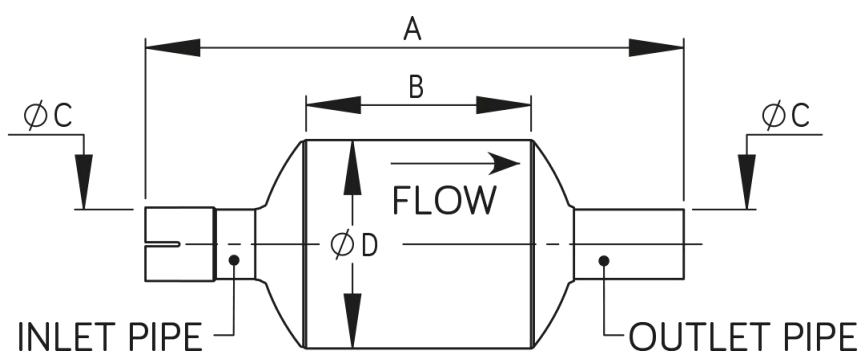
NT - Ultra Low Back Pressure Spark Arrestors. Are designed for low emission diesel engines. They are suitable for temporary or permanent installation in the exhaust system and can be used alongside or as a replacement for the existing silencer. This range can cover engines with an output of up to 750KW (1006HP).

- Stage IIIA, Euro V, Tier 4 and better
- Turbine type spin blades and improved gas flow dynamics
- Ultra low back pressure
- Good silencing, no noise regeneration
- Can be used with DPF, DOC and SCR
- Swelled and slotted pipe on inlet (and outlet on larger models)

WT1L – AUXILIARY SPARK ARRESTORS: DATA

METRIC TABLE		ENGINE POWER (KW)		DIMENSIONS (MM)				
MODEL	SIZE CODE	MIN	MAX	WEIGHT KG	A	B	C (PIPE SIZE)	D
WT1L	092	4	19	1.6	313	135	32-44	92
	125	11	26	2.5	334	145	38-51	127
	152	15	37	3	352	165	44-63	152
	175	22	52	4	384	200	51-63	177
	205	30	67	5	391	205	57-70	202
	235	52	97	5	427	235	63-89	233
	270	67	123	8	508	275	89-102	273

IMPERIAL TABLE		ENGINE POWER (HP)		DIMENSIONS (INCHES)				
MODEL	SIZE CODE	MIN	MAX	WEIGHT LB	A	B	C (PIPE SIZE)	D
WT1L	092	5	25	3.5	12.3	5.3	1.25-1.75	3.6
	125	15	35	5.5	13.1	5.7	1.50-2.00	5.0
	152	20	50	6.6	13.9	6.5	1.75-2.50	6.0
	175	30	70	8.8	15.1	7.9	2.00-2.50	7.0
	205	40	90	11	15.4	8.1	2.25-2.75	8.0
	235	70	130	11	16.8	9.3	2.50-3.50	9.2
	270	90	165	17.6	20.0	10.8	3.50-4.00	10.7



ORDER CODING

WT1L – XXX – XXX

Pipe Size

Size Code

Use metric value for pipe size,
add zero to make 3 digit code

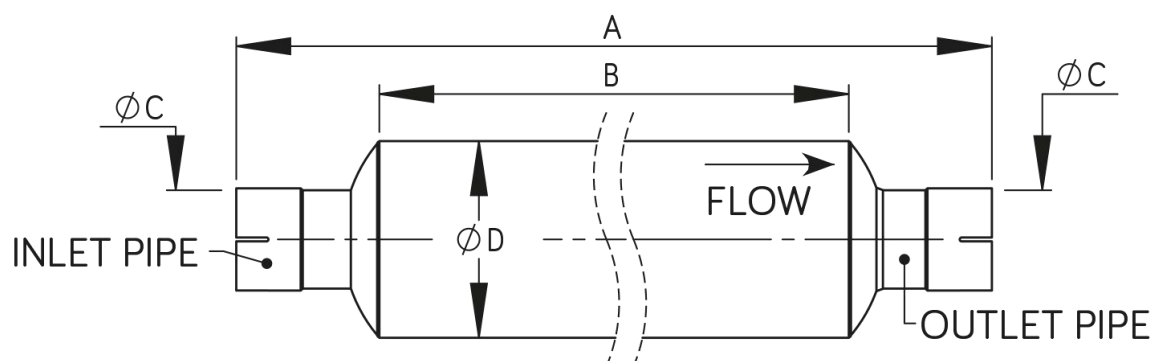
e.g. 63 = 063

CE -VERTA-106188
-VERTA-106189

WT1L – AUXILIARY SPARK ARRESTORS: DATA

METRIC TABLE		ENGINE POWER (KW)		DIMENSIONS (MM)				
MODEL	SIZE CODE	MIN	MAX	WEIGHT KG	A	B	C (PIPE SIZE)	D
WT2L	090	15	37	3	640	455	25-51	92
	125	22	60	4	680	500	38-64	127
	150	37	90	6	885	665	51-76	152
	150X	37	90	5.5	728	507	51-76	152
	175	71	149	8	971	750	76-102	177
	175X	71	149	7.5	865	645	76-102	177
	200	112	254	11	1145	910	102-127	202
	235	186	336	15	1335	1110	114-152	233
	300	242	410	25	1490	1250	140-178	305
	360	354	560	47	1758	1500	152-203	356

IMPERIAL TABLE		ENGINE POWER (HP)		DIMENSIONS (INCHES)				
MODEL	SIZE CODE	MIN	MAX	WEIGHT LB	A	B	C (PIPE SIZE)	D
WT2L	090	20	50	6.6	25.2	17.9	1.00-2.00	3.6
	125	30	80	8.8	26.8	19.7	1.50-2.50	5.0
	150	50	120	13.2	34.8	26.2	2.00-3.00	6.0
	150X	50	120	12.1	28.7	20.0	2.00-3.00	6.0
	175	95	200	17.6	38.2	29.5	3.00-4.00	7.0
	175X	95	200	16.5	34.1	25.5	3.00-4.00	7.0
	200	150	340	24.3	45.1	35.8	4.00-5.00	8.0
	235	240	450	33.1	52.6	43.7	4.50-6.00	9.2
	300	325	550	55.1	58.7	49.2	5.50-7.00	12.0
	360	475	750	103.6	69.2	59.1	6.00-8.00	14.0



ORDER CODING

WT2L – XXX - XXX

Pipe Size

Size Code

Use metric value for pipe size,
add zero to make 3 digit code

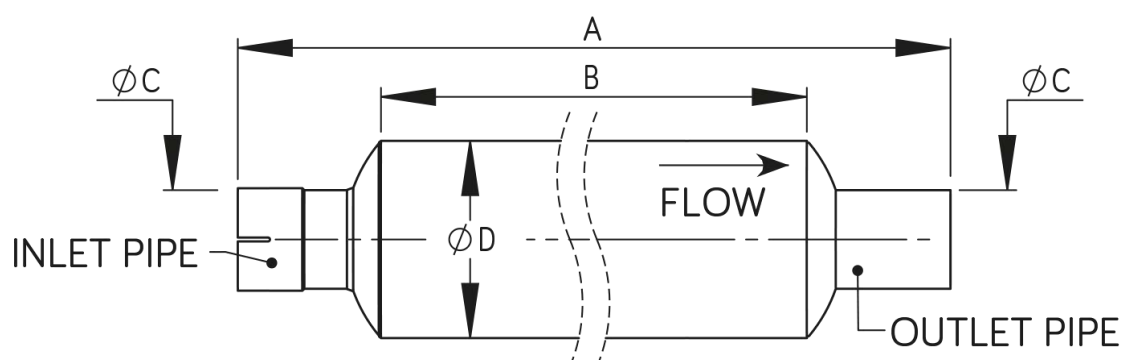
e.g. 63 = 063

CE -VERTA-106188
-VERTA-106189

NT – ULTRA LOW BACK PRESSURE SPARK ARRESTORS: DATA

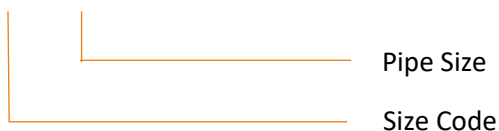
METRIC TABLE		ENGINE POWER (KW)		DIMENSIONS (MM)				
MODEL	SIZE CODE	MIN	MAX	WEIGHT KG	A	B	C (PIPE SIZE)	D
NT	092	10	34	1.75	455	269	32-45	92
	125	23	60	3.2	545	364	51-57	125
	152	30	104	4.5	658	438	51-76	152
	175	55	149	5.7	696	475	76-101	177
	200	75	242	8.7	885	650	89-114	202
	235	100	313	11.8	1020	795	101-129	232
	270	145	384	18.0	1157	932	127-152	272
	300	150	429	23.0	1270	1030	127-165	305
	360	240	559	40.0	1533	1275	152-202	357
	400	400	750	53.0	1760	1500	202-255	398

IMPERIAL TABLE		ENGINE POWER (HP)		DIMENSIONS (INCHES)				
MODEL	SIZE CODE	MIN	MAX	WEIGHT LB	A	B	C (PIPE SIZE)	D
NT	092	13	45	3.9	17.9	10.6	1.30-1.80	3.6
	125	30	80	7.1	21.5	14.3	2.00-2.20	4.9
	152	40	140	9.9	22.4	17.2	2.00-3.00	6.0
	175	75	200	12.6	27.4	18.7	3.00-4.00	7.0
	200	100	325	19.2	34.8	25.6	3.50-4.50	8.0
	235	135	420	26.0	40.2	31.3	4.00-5.10	9.1
	270	195	515	37.7	45.6	36.7	5.00-6.00	10.7
	300	200	575	50.7	50.0	40.6	5.00-6.50	12.0
	360	320	750	88.2	60.4	50.2	6.00-8.00	14.1
	400	536	1006	116.9	69.3	59.1	8.00-10.00	15.7



ORDER CODING

NT – XXX – XXX



Use metric value for pipe size,
add zero to make 3 digit code

e.g. 63 = 063

CE -VERTA-106188
-VERTA-106189

SPARK ARRESTOR INSTALLATION

1. Refer to product I.D. plate for type and see product data sheet to ensure suitability for engine size and power.
2. Ensure that the Spark Arrestor is installed with the gas flow in the direction of the flow arrow.
3. Fit the Spark Arrestor into the exhaust pipe at a convenient point, as close to the end of the system as practical, after any other devices such as cleaners or silencers. Attention should be paid to the safe positioning of the tail pipe. It may be possible to replace the silencer with the spark arrestor if adequate silencing is achieved, however emission products should be left in place, or check with the engine manufacturer.
4. Ensure the exhaust system is in good condition with no leaks and that the spark arrestor is adequately supported; extra brackets may be required, fit flexible joints as appropriate.
5. Ensure all the joints are gas tight (if necessary use a proprietary exhaust system sealant).
6. Where surface temperature may form a hazard, consideration must be given to suitable positioning and/or guarding.
7. Test run the engine in a safe, darkened environment, with varying load conditions and examine the exhaust discharge for any sparks, if any are observed do not use, but consult W.P. (NB If running an engine in an enclosed space adequate precautions must be taken to avoid exhaust gas fumes /carbon monoxide poisoning).

ATEX Installations: In order to fully comply with the directive, the Spark Arrestor must be suitable for its intended purpose and shall be included in the temperature assessment of the completed engine prior to commissioning in accordance with the following clauses as appropriate to the particular application:

EN1834-1:2000 clause 5.3

EN1834-2:2000 clause 5.2

EN1834-3:2000 clause 5.1

MAINTENANCE

Wyndham Page spark arrestors contain no serviceable parts and require minimal maintenance.

1. Spark arrestors should be examined daily whilst in use for any signs of damage, to ensure that the outer case is intact with no cracks, holes, dents or evidence of corrosion. The condition of the rest of the exhaust system should also be checked.
2. In normal conditions, the spark arrestor is self-cleaning. However, after prolonged use, particularly if the engine spends a long-time idling, or is sooty; the unit may be cleaned, in a safe area, by bringing the engine to operating temperature, then whilst running at high revs, the spark arrestor case should be lightly tapped to loosen any accumulated carbon; this will then be blown out by the exhaust.
3. Normally the first sign of deterioration in the spark arrestor will be visible externally or audibly, however we recommend that approximately every 500 hours it is removed and examined for damage. Tap the casing lightly as above and shake out any loose soot deposits and check for loose or damaged internal baffles. The spark arrestor may be washed through with water or a mild detergent, but do not clean with a flammable degreaser. Reinstall and run a spark check as above. If large soot deposits have accumulated check the root causes before putting the equipment back into service.

N.B: The year of manufacture is marked next to the Batch Code: age, condition and usage will determine the product's longevity.

Any Defective, Damaged or Suspect Spark Arrestor must be removed from service and replaced. **IF IN DOUBT CONSULT WYNDHAM PAGE.**



OTHER OPTIONS



- Reliable and safe emergency shut down for diesel engines
- Simple pull cable activation method, with operator friendly manual reset
- Aluminum flap and housing for durable seal and low weight
- Designed for challenging thermal applications
- Wide range of sizes available
- Robust design; Tested to 18.6 gmrs vibration cycle
- Cycle tested 7300 actuations (2 times a day for 10 years)
- Components corrosion tested to ASTM B117, 96hrs Salt Fog
- Corrosion resistant pull cable

PH1 PRODUCT DATA SHEET

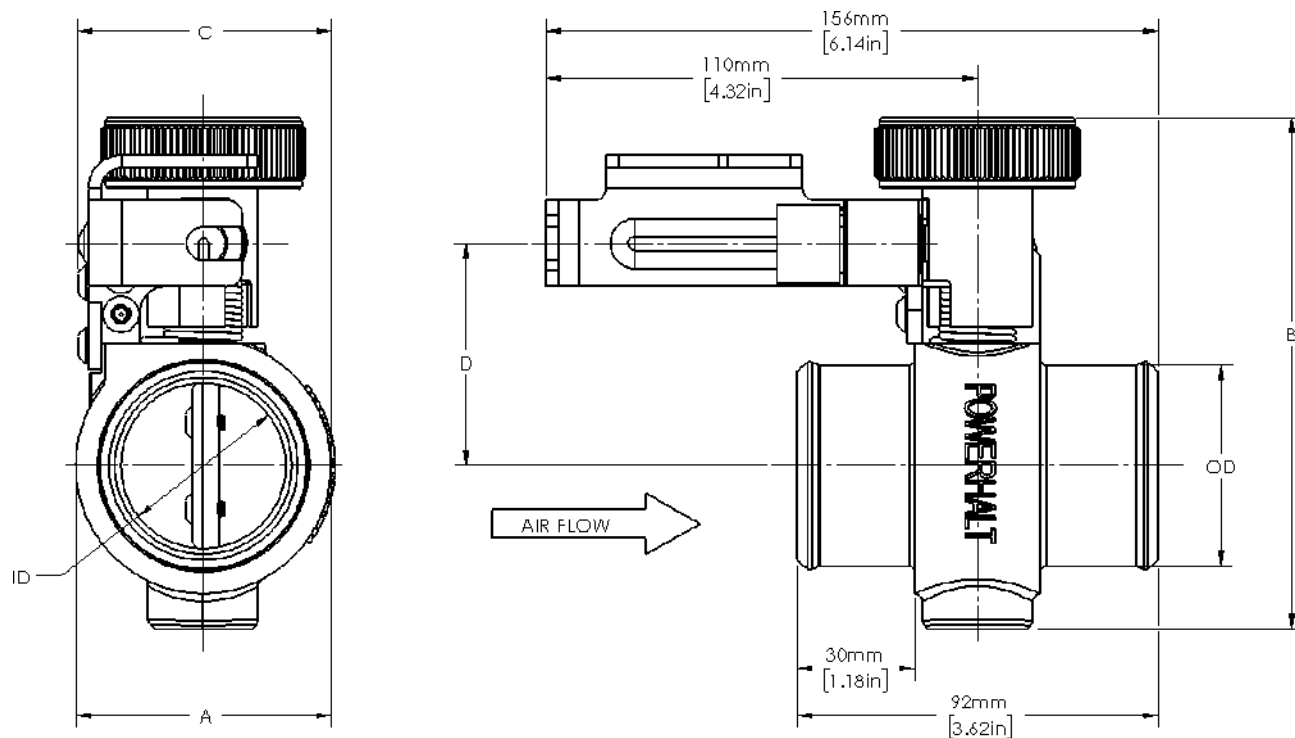
PRODUCT DESCRIPTION

Maximum Intake Boost Air Pressure	2.76 bar (gauge) [40 psig]
Continuous Intake Air Temperature	-67°C to 200°C [-40°F to 392°F]
Ambient Temperature Range	-40°C to 120°C [-40°F to 248°F] (valve body)

Resting Position	Valve open
Activated Position	Valve closed

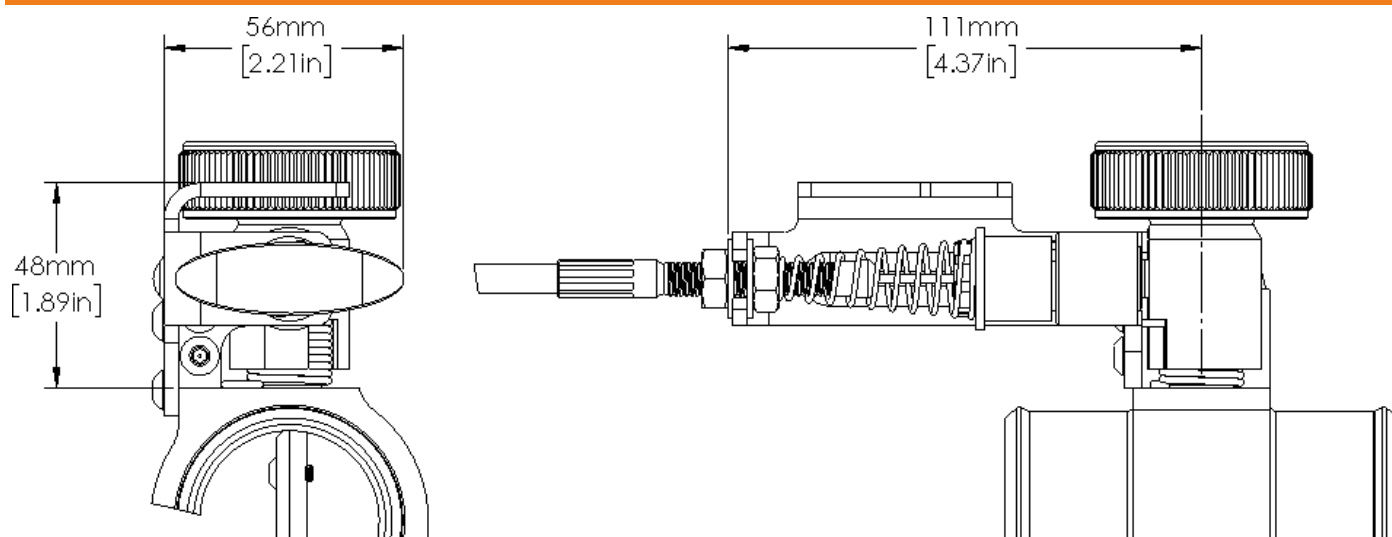
Standard Mounting Options	Hose to hose
Pipe Sizes Supported	Ø44.5 mm to 70 mm [Ø1.75 in to Ø2.75 in] (more sizes available per request)

PHYSICAL CHARACTERISTICS



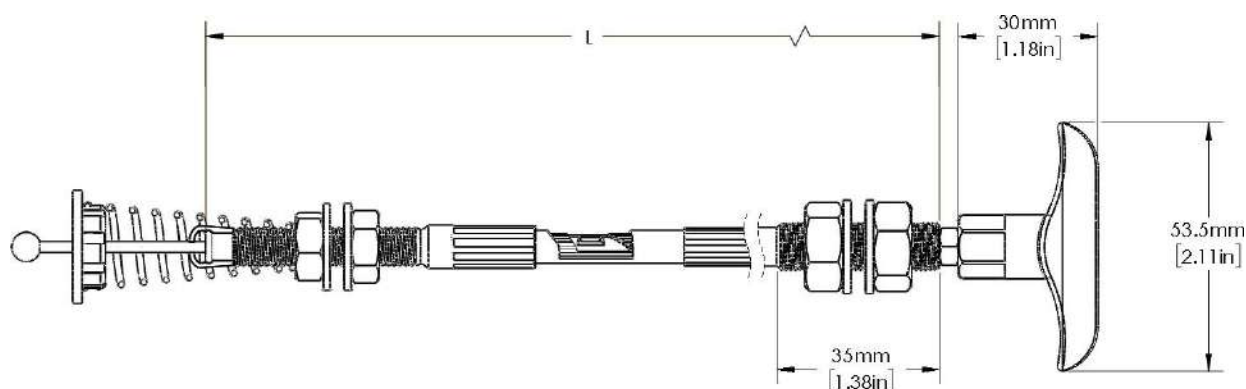
Nominal Valve Size [OD]	Valve Core Dimensions					Weight
	Bore [ID]	Housing OD [A]	Height [B]	Width [C]	Trigger [D]	
44.5 mm [1.75 in]	35.5 mm [1.40 in]	65 mm [2.56 in]	129.8 mm [5.11 in]	61.9 mm [2.44 in]	57 mm [2.22 in]	1.5 kg [3.3 lb]
51 mm [2.0 in]	42 mm [1.65 in]	65 mm [2.56 in]	129.8 mm [5.11 in]	61.9 mm [2.44 in]	57 mm [2.22 in]	1.5 kg [3.3 lb]
57 mm [2.25 in]	48 mm [1.89 in]	65 mm [2.56 in]	129.8 mm [5.11 in]	61.9 mm [2.44 in]	57 mm [2.22 in]	1.4 kg [3.1 lb]
64 mm [2.5 in]	55mm [2.17 in]	81.5 mm [3.21 in]	135.9 mm [5.35 in]	70.1 mm [2.76 in]	59.5 mm [2.34 in]	1.6 kg [3.5 lb]

PULL CABLE ACTIVATION



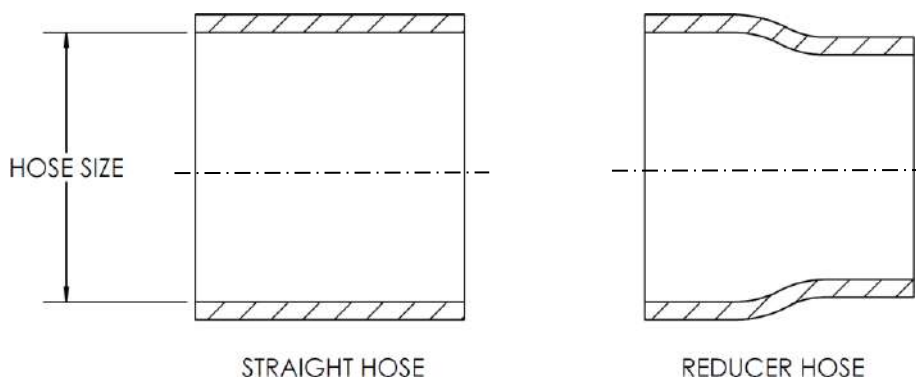
Minimum Cable Activation Pull Force	50 N [11.2 lbf]
Minimum Stroke for Activation	12 mm [0.47 in]
Activation	Pull to shut valve

PULL CABLE



Minimum Cable Bending Radius		90 mm [3.54 in]				
Cable Lengths [L]	mm	610	1220	1830	2440	3050
	ft	2	4	6	8	10
Default Position		Handle retracted				
Cable Weight (Reference)		0.29 kg [0.64 lb] for 1830 mm [6 ft] Length				
Total degrees of all bends		360° maximum				
Through-hole size		11 mm [7/16 in]				
Ambient Temperature Range		-40°C to 85°C [-40°F to 185°F]				

HOSES



Temperature Rating	-55°C to +175°C [-67°F to +347°F]
Pressure Rating	Conforms to SAE J20 (20R1 HD SW)
Hose Sizes	44.5 to 70 mm [1.75 to 2.75 in]

CLAMPS

Description	Clamp, spring loaded constant tension gear/SAE J1508 Type SLHD	
SAE Sizes	#262	#312
Size Range	44.5 mm to 66.7 mm [1.75 in to 2.625 in]	54 mm to 79.4 mm [2.125 in to 3.125 in]
Installation Torque	8.5 Nm [75 in-lbf]	

APPLICATIONS

- Lighting Units
- Bulk Haulers
- Grain Processing Plants
- Refinery Processing
- Fueling Vehicles
- Pump Trucks
- Ambulances
- Tankers
- Cranes
- Vehicles
- Tow Vehicles
- Fire Trucks
- Lighting Trucks
- Power Generators
- Forklifts
- Underground Equipment
- Support Vehicles
- Vacuum Trucks
- Frack Trucks
- Drilling Rigs
- Work Boats
- Barges
- Welders

Notes:

All information contained in this document is for reference only, subject to change without notice.

OTHER OPTIONS

Heavy Duty Air Intake Shut-Off Valve

Model: 7002



OVERVIEW

Hydraulic fracturing technology requires the use of heavy duty high horse power diesel engines. Hydrocarbon release in an area where a diesel engine is operating can lead to diesel engine runaway which can be a highly dangerous situation. Once an engine begins to run on the external fuel source, turning off the ignition will have no effect. The engine will continue to run and overspeed leading to mechanical failure or explosion. The newly released 7002 series air intake shut-off valve was designed for the wear and tear of the frac industry. The valve will effectively shut down a runaway diesel engine by closing off the engine intake air.

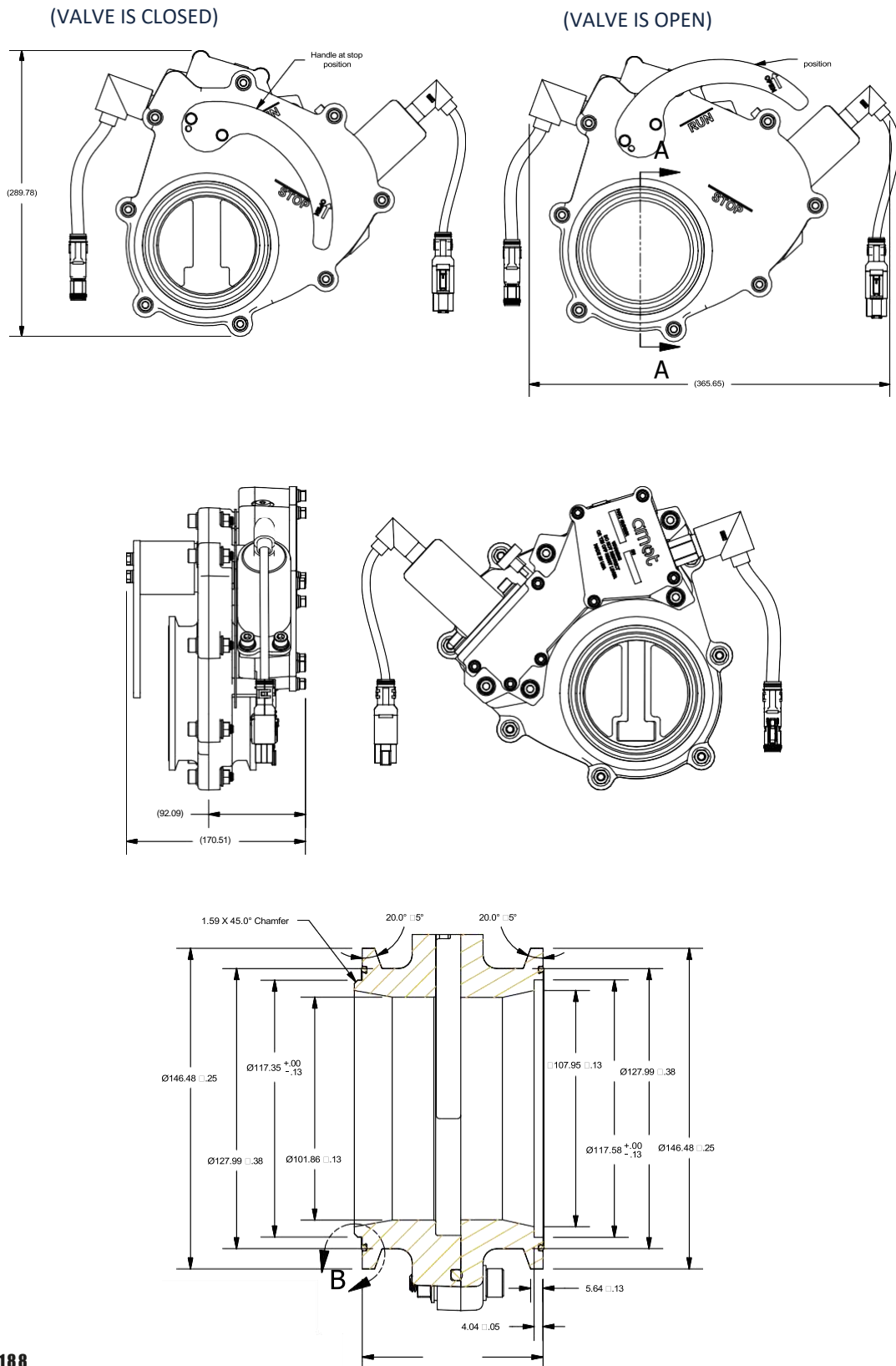
FEATURES AND BENEFITS

- Corrosion resistant, anodized aluminum and stainless steel construction
- Rated for continuous working temperature from -40°C to +280°C
- Designed for post-turbo temperatures
- IP67 rated solenoid /actuator
- Designed for high vibration environments
- Male/female marmon flange connections (can be coupled directly to Cummins QSK50 engine intakes)
- Position switch integrated into actuator housing
- Switch is not exposed to charge air temperature/debris

APPLICATIONS

- Heavy duty high horse power frac diesel engines
- Offshore production engines
- Drilling industry
- Hazardous material vehicles
- Marine engines
- Power generation (gen sets)
- Well service vehicles
- Mining equipment
- Locomotives

DIMENSIONS



SPECIFICATIONS

Standard materials	Valve body	Hard anodized aluminum
	Gate	Brass
	Seals	Viton/Silicone
	Safety control operator	Anodized aluminum
Maximum intake air temperature	-40°C to 280°C	-40°F to 535°F
Valve Size	4" valve size	102 mm
Net weight	10 kg (21 lbs)	
Max Charge Air Pressure	5 bar	
Solenoid	Voltage	19.2 - 28.8 Volts DC
	Max current draw	38.9 A @ 28.8 VDC & -40°C
	Inductance	3.5mH +40°C
	Duty Cycle @ 125°C	1.3%, Max 1.0s ON Min 75s OFF
Switch	5 Amp resistive load max > 0.25W	

HOW TO ORDER

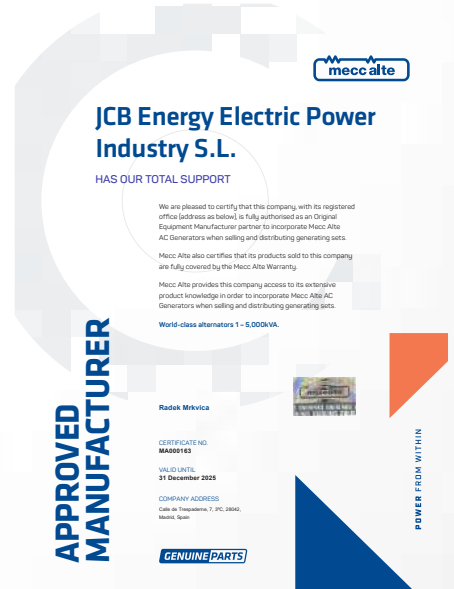
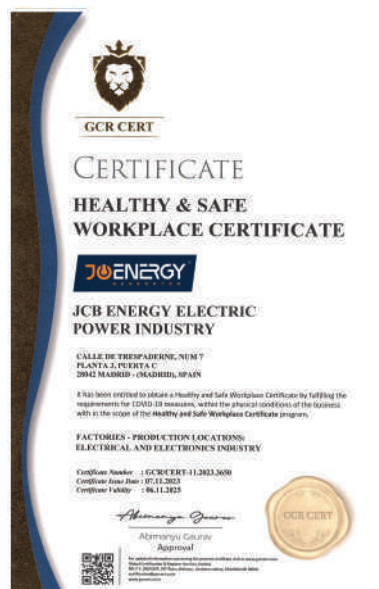
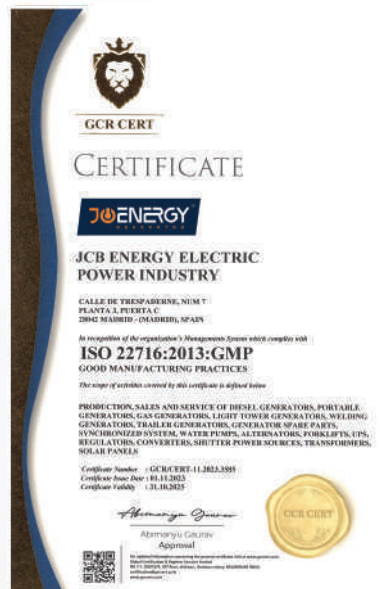
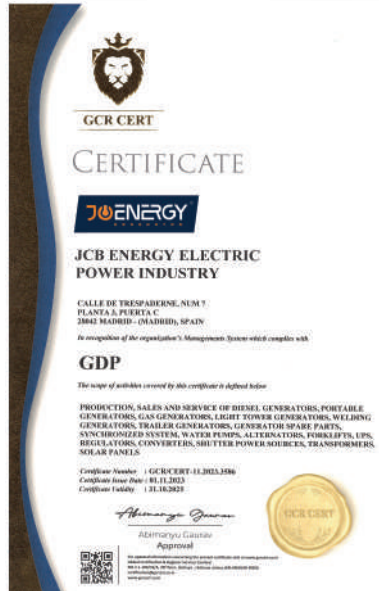
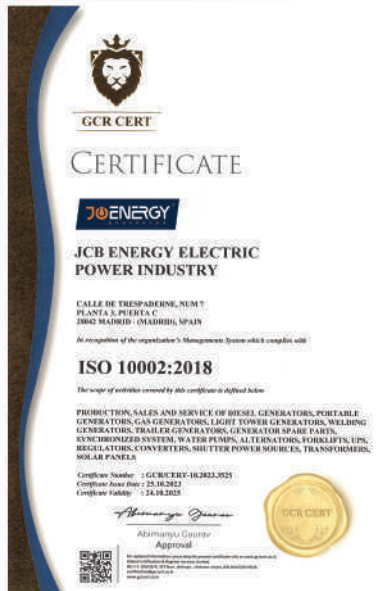
Use the tables below to select the unique specification of your Model 7002 Intake Air Shut-off Valve:

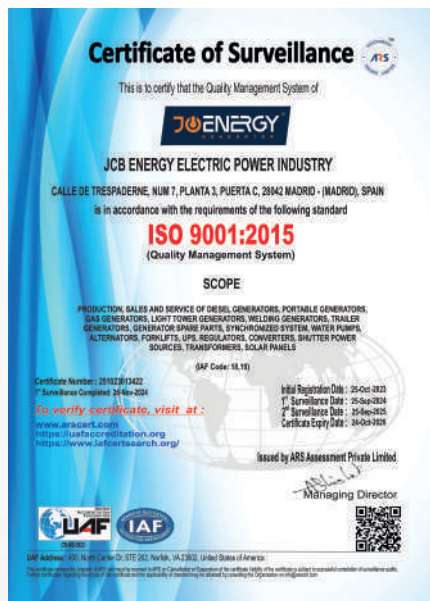
Example: **7002** **A** **BB** **C** - **DDD**

A	Valve Size	BB	Valve Operator	C	Switch Options	DDD	Connection Options
4	4 inch, standard	72	Electric Solenoid, 24VDC	A	Valve Open = Switch Closed	RZX	Deutsch Solenoid Connector (DT04-4P), Deutsch Switch Connector with integral 33 kΩ Shunt (DT06-2S)
				B	Valve Open = Switch Open	RZO	Deutsch Solenoid Connector (DT04-4P), PIN Style Plug in 15-4 Layout Switch Connector (38999)
						HAC	Weatherpack Solenoid Connector (12015792), Deutsch Switch Connector (DT06-2S)

Note: AMOT does not qualify the valve for specific applications.
Consult the engine and valve specifications.

OUR CERTIFICATES





MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 2372384

Initial certification date: 14 August 2021

Valid: 14 October 2021 – 13 October 2026

This is to certify that the management system of **HD Hyundai Infracore Co., Ltd. Head Office & Incheon Plant** 489, Injung-ro, Dong-gu, Incheon, 22502, Republic of Korea and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard: **ISO 14001:2015**

This certificate is valid for the following scope: **Design, Development, Manufacture, Servicing of Internal Combustion Engine for use in Marine Industry, General Industry and Automotive Industry, and Earth Moving Equipment (Excavator, Wheel Loader, Dozer), Testing of Earth Moving Equipment (Excavator and Wheel Loader).**

Place and date: Barcelona, 09 October 2021

For the issuing office: DNV Business Assurance, Barcelona, Spain

DNV KMS Management Representative

Let's all commit to conditions as set out in the Certification Agreement and under this Certificate model.

ACCREDITED UNIT: DNV Business Assurance S.L. - Certification - 12041-03, Barcelona, Netherlands - TEL: +31-20-5102000 - www.dnv.com/assess

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 2372385

Initial certification date: 13 January 2021

Valid: 14 October 2021 – 13 October 2026

This is to certify that the management system of **HD Hyundai Infracore Co., Ltd. Head Office & Incheon Plant** 489, Injung-ro, Dong-gu, Incheon, 22502, Republic of Korea and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System standard: **ISO 45001:2018**

This certificate is valid for the following scope: **Design, Development, Manufacture, Servicing of Internal Combustion Engine for use in Marine Industry, General Industry and Automotive Industry, and Earth Moving Equipment (Excavator, Wheel Loader, Dozer), Testing of Earth Moving Equipment (Excavator and Wheel Loader).**

Place and date: Barcelona, 09 October 2021

For the issuing office: DNV Business Assurance, Barcelona, Spain

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CLAYTON DE WHITNEY
REGISTRO GENERAL
SALIDA
Nº de Registro: 945 / RG 045
Fecha: 29/07/2024 12:00:00

IRENE SANCHEZ ROMAN, MANAGER OF THE DEPARTMENT OF LEGAL ADVISORY SERVICES AND THE DATABASE OF THE OFFICIAL CHAMBER OF COMMERCE, INDUSTRY AND SERVICES OF MADRID, WITH REGISTERED OFFICE AT PLAZA DE LA INDEPENDENCIA 1, MADRID, SPAIN

CERTIFY: That, according to the background data on record at this Chamber and others produced by the Company:

JCB ENERGY ELECTRIC POWER INDUSTRY SL, a company with Tax ID: Number B139797594, and its registered office at street Tropezadero no: 7, 28042 Madrid is registered on 8 May 2024, under the heading of the 34 Section, companies, of the Economic Activities Tax Tariff Number 342 to perform the following activity:

- Manufacture of electrical material for use and equipment

In witness whereof, for the appropriate purpose, I have issued and signed this Certificate, to which I affix the stamp of this Chamber, in Madrid on 26 July 2024.

CLAYTON DE WHITNEY
REGISTRO GENERAL
SALIDA
Nº de Registro: 950 / RG 050
Fecha: 29/07/2024 12:00:00

IRENE SANCHEZ ROMAN, DIRECTORA DEL DEPARTAMENTO DE ASSESORIA JURIDICA Y CENSO DE LA CAMARA OFICIAL DE COMERCIO, INDUSTRIA Y SERVICIOS DE MADRID, CON DOMICILIO SOCIAL EN LA PLAZA DE LA INDEPENDENCIA Nº 1, MADRID - ESPAÑA

CERTIFICA: Que de los antecedentes que obran en esta Corporación y de otros exhibidos por la sociedad, resulta:

PRIMERO.- Que la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, es una sociedad mercantil de nacionalidad española, constituida mediante escritura pública de fecha 23 de junio de 2023, anotada por don José María Vázquez, Notario del Registro de Madrid con el número 1.257 de acuerdo de su protocolo, e inscrita en el Registro Mercantil al Tomo 45.424, Folio 40, Hoja M-799.075, Inscripción 1ª.

SEGUNDO.- Que según se desprende de la mercantilización de constitución, en el artículo 3 de los Estatutos de la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, resulta que tiene por objeto social:

"Actividad principal 27.11. Fabricación de motores, generadores y transformadores eléctricos".

TERCERO.- Que según se desprende de la escritura de constitución, el capital social de la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, se fija en la cantidad de 19.005,00 € (DIECINUEVE MIL NOVECIENTOS CINCO EUROS), dividido en 19.005 participaciones sociales, de 1,00 € (UN EURO) de valor nominal cada una, distribuidas proporcionalmente del 1 al 19.005, ambas, inclusive, que son íntegramente asumidas y desembolsadas por el socio fundador.

CUARTO.- Que según consta en la escritura de constitución citada en párrafos anteriores, la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, opta por el sistema de Administración Única y nombra por tiempo indefinido a don Mohamed A.M. Eladiri, con Número de Identidad Entregado Y42M83279, para que actúe en nombre y representación de la mercantil, con cuantas facultades legales y estatutariamente correspondan a dicho cargo, prestando el administrador nombrado a la aceptación del mismo.

QUINTO.- Que la compañía JCB ENERGY ELECTRIC POWER INDUSTRY SL, con domicilio en calle Tropezadero número 7, 28042 Madrid y presunta de Número de Identificación fiscal B139797594, consta dada de alta en el grupo empresarial 342 de la Sección 1ª empresarial de las Tarifas del Impuesto sobre Actividades Económicas, que le habilita para ejercer la actividad "Fabricación de material eléctrico de utilización y equipamiento".

CE

CE DECLARATION OF CONFORMITY

JCB ENERGY ELECTRIC POWER INDUSTRY SL
C/ ALFREDO MARQUESE, 10, PUERTA A, PLANTA 1 BARCELONA MADRID

Description Of The Product: GENERATORS AND PUMPS

Product Brand/Model/Type: (DIESEL GENERATORS, GAS GENERATORS, PORTABLE GENERATORS, LIGHT TOWERS, WELDER, PUMPS, FORKlift, UPS, REGULATORS, CONVERTERS, ALTERNATORS, WELDING GENERATORS, TAILGATE GENERATORS, BATTERY POWER SOURCE)

Applicable harmonized standards: EN ISO 12179:2019, EN ISO 14343:2019, EN ISO 14344:2019, EN ISO 14345:2019, EN ISO 14346:2019, EN ISO 14347:2019, EN ISO 14348:2019, EN ISO 14349:2019, EN ISO 14350:2019, EN ISO 14351:2019, EN ISO 14352:2019, EN ISO 14353:2019, EN ISO 14354:2019, EN ISO 14355:2019, EN ISO 14356:2019, EN ISO 14357:2019, EN ISO 14358:2019, EN ISO 14359:2019, EN ISO 14360:2019, EN ISO 14361:2019, EN ISO 14362:2019, EN ISO 14363:2019, EN ISO 14364:2019, EN ISO 14365:2019, EN ISO 14366:2019, EN ISO 14367:2019, EN ISO 14368:2019, EN ISO 14369:2019, EN ISO 14370:2019, EN ISO 14371:2019, EN ISO 14372:2019, EN ISO 14373:2019, EN ISO 14374:2019, EN ISO 14375:2019, EN ISO 14376:2019, EN ISO 14377:2019, EN ISO 14378:2019, EN ISO 14379:2019, EN ISO 14380:2019, EN ISO 14381:2019, EN ISO 14382:2019, EN ISO 14383:2019, EN ISO 14384:2019, EN ISO 14385:2019, EN ISO 14386:2019, EN ISO 14387:2019, EN ISO 14388:2019, EN ISO 14389:2019, EN ISO 14390:2019, EN ISO 14391:2019, EN ISO 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JCBENERGY
GENERATOR



CE
-VERTA-106188
-VERTA-106189

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