VINGTOR STENTOFON

DRILLER'S INTERCOM

NATIVE IP INTERCOM SYSTEM

VINGTOR STENTOFON

when communication is critical

VINGTOR STENTOFON

by ZENITEL GROUP

Vingtor-Stentofon products are developed by the Zenitel Group and includes a range of high quality communications equipment and systems. Being in business since 1901, Zenitel's products are recognized globally for offering high quality communications for both offshore and onshore installations. Primary system offering within the Vingtor-Stentofon portfolio are Public Address and Intercom. Zenitel and the company's global partner network, also integrate these systems with other security devices; including Radio, CCTV, Access Control and Alarm for a comprehensive security solution.

Vingtor-Stentofon is world-renowned for its extensive knowledge in the design, construction, installation and maintenance of integrated marine communication systems. Leveraging our long-term experience serving the maritime industry, we offer an impressive portfolio and provide cutting edge solutions to vessels worldwide under the brand name of Vingtor-Stentofon. The Vingtor-Stentofon brand underpins our reputation as a supplier of the most flexible, reliable and advanced communication systems available today.

MEETING YOUR REGULATORY REQUIREMENTS
All Vingtor-Stentofon products that form a part of critical communication have been tested according to IEC 60945, IEC 60533 standards, and comply with SOLAS regulations and codes relevant to on-board communication systems. Our systems are delivered in accordance with the rules of all major classification societies.

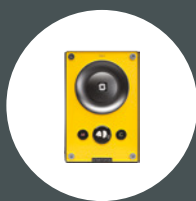## FOR ALL YOUR SALES & AFTER SERVICE REQUIREMENTS
Vingtor-Stentofon is a specialist provider of spare parts, repairs, maintenance contracts and refit solutions. Responsibility and availability are our guidelines and customer support and service a first priority.

2015	2013	2012	2011	2009

1952	1964	1975	1996	2001

DRILLER'S IP INTERCOM SYSTEM

Vingtor-Stentofon knows what it takes to provide safe and secure communication in harsh environments. Because each project is unique in the Marine and Oil & Gas industry, merely providing hardware and software usually isn't enough for its success. Hence our focus on providing integrated solutions that are individually customized to each client's needs. Choosing the right communications solution has the benefit of enhancing safety and security for personnel, while contributing to effective and productive operations. Involvement in the whole product life cycle, from design to maintenance and upgrades, enables us to live up to our customer promise:

"TO ENABLE OUR CUSTOMERS TO MAKE THAT ONE VITAL CALL"

Drilling is a highly dangerous operation carried out in extremely harsh environmental conditions, and combined with the potentially explosive atmosphere and risk of fire, effective communication between the drilling crew is critical as well as an essential prerequisite to drill rig safety.

FEATURES

- EX Approved and Rugged IP Intercom
- Support for gooseneck microphone for mounting armchair
- Support for dual footswitch
- Single-pair wiring for EX Approved equipment, offering reduced cost on wiring.
- Individually switchable horn speakers is an option
- Completely programmable operation supporting priority groups and conferencing
- Up to 2 x 120W power per amplifier
- Local powering or power for all stations over 2-wire or PoE
- Integration with other systems
- Hands-free duplex operation

DRILLER`S CABIN

SAFE ZONE

EXPOSED AREA

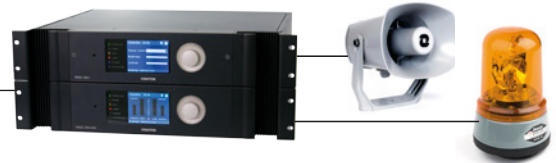DRILLER`S EXCHANGE

STAND ALONE SYSTEM

INTEGRATED SYSTEM

DRILLER`S CABIN

SAFE ZONE

DRILLERS EXCHANGE

DRILL FLOOR

MONKEY BOARD

EXIGO IP PUBLIC ADDRESS
& ALARM SYSTEM

ACM INTEGRATED SYSTEM

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CENTRAL EQUIPMENT

FOR SAFE ZONE

1150100000
DRILLER'S INTERCOM EXCHANGE

- 19" 10U Cabinet
- Exigo ESC1 System Controller
- Exigo ENA2120 2 x 120W PA Amplifier
- Option for second ENA2120
- 1 x PoE Ethernet switch
- Dual 48 V PSU for network switch
- Dual Flowire converters
- Dual 24 V PSU for Flowire

Size (WxHxD): mm Weight: kg

Additional Information:

1023102120
ENA2120
EXIGO NETWORK AMPLIFIER, 2X120 WATT

- 2 audio channels in one 2U 19" housing
- 120 watt continuous alarm effect per channel
- 100V and 70V loudspeaker outputs
- 115/230 VAC primary power and 24-48 VDC secondary power
- Redundant Ethernet connections
- Digital audio processing, equalizer and audio delay
- Monitored control inputs
- Control outputs
- Analog audio inputs
- Loudspeaker line monitoring
- Amplifier monitoring
- Input for backup amplifier

Size (WxHxD): 482.2 x 87.5 x 394 mm Weight: 15.0 kg

Additional Information: IP-32

1008080110
FCDC1 FLOWIRE ETHERNET CONVERTER, DC VOLTAGE

- One single pair of cable can be used to distribute power and data
- The cable hauls can be longer, reducing the need for switches and/or repeaters
- Up to 10 Flowire devices can be connected to the same 2-wire cluster
- Existing infrastructure can be used, even though only a single pair is available. This reduces the total cost of retrofit projects
- The Flowire converter can be used with any Ethernet enabled device (not limited to VINGTOR products)
- Power 24 - 48 VDC

Size (WxHxD): 120 x 65 x 13 mm Weight: 0.3 kg

Important note! Several clusters can not share same cable or junction boxes. Protection IP-20

2990101120
FPDC-120 POWER SUPPLY FOR FLOWIRE, 48VDC, 120 WATT

2990101240
FPDC-240 POWER SUPPLY FOR FLOWIRE, 48VDC, 240 WATT

1008140100
TA-10 CONNECTION BOARD WITH RELAYS

EX APPROVED MASTER STATIONS

FOR ZONE 1 & 2

1008123010

TFIX-1 FULL KEYPAD WITH 1 PROGRAMMABLE KEY

- Fully digital intercom w/2-wire interface
- Full keypad w/ «PTT override» and «Cancel»
- Volume control
- Over 90 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage)

Conforms to:
- EX II 2G EEx ib mb e IIC T4
- EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1.9 kg

Additional Information: IP-66

1008123020

TFIX-2 6 LABELLED PROGRAMMABLE KEYS

- Fully digital intercom w/ 2-wire interface
- 6 direct keys w/ label
- Optional flip-cover to prevent accidental operation
- Over 90 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage)

Conforms to:
- EX II 2G EEx ib mb e IIC T4
- EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1.9 kg

Additional Information: IP-66

ACCESSORIES FOR EX APPROVED MASTER STATIONS

Microphones, Handset & Headset

1008150040

TAX-4 EX-APPROVED FOOT SWITCH, 2 SWITCHES

Size: N/A Weight: N/A

1008150010

TAX-1 EX-APPROVED PTT MICROPHONE, UNTERMINATED

1008150020

TAX-2 EX-APPROVED HEADSET, PLUGGABLE

1008150025

TAX-2B EX-APPROVED CABLE FOR HEADSET WITH PTT

1008150030

TAX-3 EX-APPROVED HANDSET WITH PTT, UNTERMINATED

- Compatible with TFIX range of Ex IP intercom stations
- Compatible with EAPFX and ECPFX ranges of Ex IP PA-panels
- Suitable for marine and industrial environments
- Rubberised switches

Size: N/A Weight: N/A

Additional Information: IP-66

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EX APPROVED LOUD-SPEAKERS

FOR ZONE 1 & 2

2340020011

DSP-15EEXMNT W/ SST BRACKET EX SPEAKER 15W W/ 2X GLANDS ATEX

- Horn speaker in Antistatic Polyamide, black
- For zone 1 & 2
- 100V line transformer
- Adjustable power tapping:
  2.0W - 4.0W - 7.5W - 15.0W

Size (WxHxD):186 x 144 x 207 mm Weight: 2.2 kg

Additional Information: IP-67 ATEX approved
25 W version o.no. 3006100042

2340020001

DHP/DST-40EEXENT, ANTISTATIC HORN W/ATEX APP. 40W DRIVER

- 40W driver unit with antistatic horn
- For zone 1 & 2
- 100V line transformer
- Suitable for covering large areas
- Adjustable power tapping:
  10.0W - 20.0W - 40.0W

Size (WxHxD): 368 x 175 x 593 mm Weight: 6.5 kg

Additional Information: IP-67

3006100058

HP-20EEXIINT LOUDSPEAKER 20W 100V EX ZONE 2

- Horn speaker in Antistatic Polyamide.
- For zone 1 & 2
- 100V line transformer
- Adjustable power tapping:
  2.0W - 3.5W, - 7.5W - 15.0W - 20.0W

Size (ØxD): 237 x 286 mm Weight: 2. 3 kg

Additional Information: IP-67
Certified according to EN 60079-15

2340020006

CAREEX-6T WALL DOUBLE FACED LOUDSPEAKER, ATEX-APPROVED 6W

- Double faced loudspeaker in aluminium
- For Zone 1 & 2
- Used for cabins, hallways etc.
  in hazardous areas.
- 100V line transformer
- Adjustable power tapping
  0.5 - 0.3W - 1.0w - 1.5W - 3.0W - 6.0W

Size (HxD): 178 X 145 mm Weight: 3.6 kg

Additional Information: IP-67 (EX-chamber)

3006100005

BA-56EEXENT LOUDSPEAKER, FLUSH, 6W 100V, CEILING

- Ceiling loudspeaker for hazardous areas.
- 100V line transformer
- ATEX approved
- 1 x M20 EExe ATEX approved cable gland and 1 x M20 EExe ATEX approved blind plug.
- Adjustable power tapping
  0.3 W - 0.5 W - 1.0 W - 1.5 W - 3.0 W - 6.0 W

Size (ØxD): 220 X 175 mm Weight: 3.0 kg

Additional Information: IP-67 ATEX approved for Zone 1&2

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EX PROOF SIGNAL UNITS

FOR ZONE 1 & 2

3006102011
BEX-24O BEACON EX BEXBG05D 24V DC ORANGE ATEX IP67 1X CABLE GLAND

- ATEX approved xenon warning light
- EX II 2 G EEx d IIC T5
- Orange
- Zone 1 & 2

3006102010
BEX-24B Beacon Ex BExBG05D 24V DC blue ATEX IP67 1x cable gland

3006102012
BEX-24R EX Approved light 24V DC , incl. 1 X Cable gland, Ex II 2 G - EEx d IIC T5 - Red

2340200006
BEX-24Y Beacon Ex BExBG05D 24V DC yellow ATEX IP67 1x cable gland

2340200007
BEX-24G Beacon Ex BExBG05D 24V DC green ATEX IP67 1x cable gland

2340200008
BEX-24C Beacon Ex BExBG05D 24V DC clear ATEX IP67 1x cable gland

Size (WxHxD): 153 x 154 x 246 mm Weight: 2.45 kg

Additional Information: IP-67

3006102015
BEX-230O BEACON EX BEXBG05D 230V AC ORANGE ATEX IP67 1X CABLE GLAND

- ATEX approved xenon warning light
- EX II 2 G EEx d IIC T5
- Orange
- Zone 1 & 2

3006102016
BEX-220B Beacon Ex BExBG05D 230V AC blue ATEX IP67 1x cable gland

3006102085
BEX-230G Beacon Ex BExBG05D 230V AC green ATEX IP67 1x cable gland

3006102086
BEX-230R Beacon Ex BExBG05D 230V AC red ATEX IP67 1x cable gland

3006090474
BEX-230Y Beacon Ex BExBG05D 230V AC yellow ATEX IP67 1x cable gland

Size (WxHxD): 153 x 154 x 246 mm Weight: 2.75 kg

Additional Information: IP-67

3006102013
BEXS-110AC ALARM HORN 230V AC EXD 110DB BEXS110D230

- ATEX approved Sounder Horn
- EExd IIC T4 32T
- 110 dB
- 32 alarm tones
- Zone 1 & 2

3006102014
BEXS-110DC Alarm Horn 24V DC EXD 110DB BEXS110D024

Size (ØxD): 181x 262,6 mm

Weight: AC 3.2 kg DC 3.0kg

Additional Information: IP-67

3006102029
DHW2-24 EX SIGNAL BELL 24DC WT - II 2 G EEX DE IIC T6

- EX proof Loud signal bell with typical tone for warning, calling and indicating,
- Sound pressure approx. 105 dB (A)

Size (ØxD): 200 x 270 mm Weight: 6.0 kg

Additional Information: For Zone 1 & 2
IP-66

2340210000
DHH1-230 EX SIGNAL HORN 230VAC 50/60 HZ WT - II 2 G EEX DE IIC T6

- EX proof Loud signal horn with tone for warning, calling and indicating
- Sound pressure approx. 105 dB (A)

Size (ØxD): 190 x 265 mm Weight: 5.5 kg

Additional Information: For Zone 1 & 2
IP-66

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