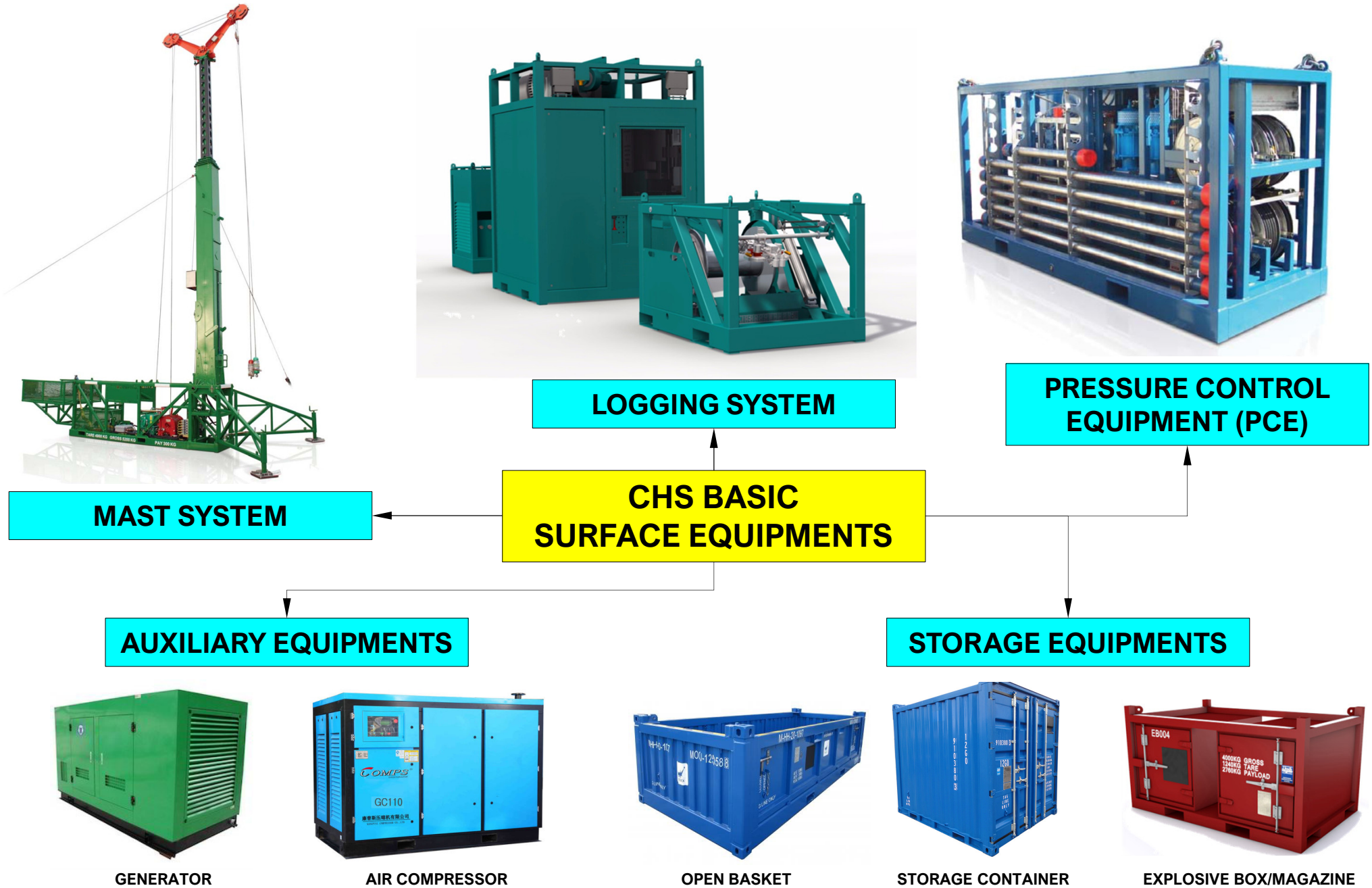


# CHS BASIC SURFACE EQUIPMENTS



## CHS BASIC SURFACE EQUIPMENTS : LOGGING SYSTEM



### SLIMSPLIT C (POWERPACK/CABIN/WINCH UNIT, DIESEL DRIVEN, -20 °C CERTIFIED, ZONE 2

The ASEP SlimSplit C is a purpose-designed three-piece wireline winch for cased hole and open hole operations, and consists of a PowerPack module, a cabin module and a winch module. The modules are linked by hydraulic, electric and signal cabling.

- Area classification : Ex Zone 2
- Operating temperature range : -20°C - +40°C
- Environmental control : Air Conditioner (115 VAC, 60 Hz, cooling 15,000 BTU/h, electric driven, Ex Zone 2, roof mounted, marine environments)  
 Pressurization (115V, 60Hz, Ex Zone 2, ATEX, 10 m3/min, fan, exchangeable heavy duty air filter)  
 Centrifugal ventilator (0.37 kW, 120 /1 / 60, IP 55 ATEX EEx d)
- Standard conformities : 98/37/EC Machinery Directive  
 97/23/EC Pressure Equipment Directive  
 89/336/EC Electromagnetic Compatibility Directive

- Transport Dimensions (ft) : 7.25 X 4.49 X 5.66
- Tare weight (kg) : 1875

- Transport Dimensions (ft) : 7.00 X 6.60 X 9.45
- Tare weight (kg) : 1400
- Max rating : 1820

- Transport Dimensions (ft) : 6.15 X 4.51 X 4.35
- Tare weight (kg) : 900

#### POWERPACK

#### LOGGING CABIN

#### WINCH SKID

#### POWER SYSTEM

- Engine type : Diesel engine (Iveco, 4 Cylinder, 59 kW (79 hp) @ 2,500 rpm, liquid cooled, 3.9 natural aspirated, Ex Zone 2, ATEX)
- Power output : 150 kW (204 hp) @ 2200 rpm
- Starter : Spring, rig safe or Ex zone 2, with hand crank, suitable for 6 Litre displacement engine
- Fuel tank volume : 300 litres

#### PNEUMATIC SYSTEM

- Air pressure : On-board belt-driven compressor or rig air
- Compressor power rating : 3 kW
- Compressor pressure : 7 bar nominal (102 psi)
- Compressor flow volume : 250 litre/min @ 10 bar (8.8 cfm @ 145 psi)
- Air receiver capacity : 30 liters (7.9 US gal)

## CHS BASIC SURFACE EQUIPMENTS : LOGGING SYSTEM

### ELECTRICAL SYSTEM

- Electrical source : Shore-supplied or on-board generator
- On-board generator : 2x120 VAC / 240 VAC, 60 Hz, 2 ph, 15 kW, 1800 rpm, hydraulic driven, Ex Zone 2
- Cabin voltages : 24 VDC, Ex zone 1, ATEX rig power input 2x 115 VAC, 60 Hz, switch box, use when generator is selected)
- Power supply Type : QS 20.241 (110 - 230 VAC / 20A, 50/60 Hz, 24 VDC / 20 A / 480 W, Ex Zone 2
- Battery capacity : 24 VDC @ 12 Ah, ATEX II 3G Zone 2 - 20 °C
- Lights : Cabin ( 18 W, 24 VDC), Dash board ( 2 x 18 W, 115 V)

### HYDRAULIC SYSTEM

- Type : Patented ASEP closed loop
- Source : Variable displacement hydraulic pump and motor
- Main pressure : 400 bar (5801 psi) max
- Tank volume : 175 l (46.2 US gal)
- Auxiliary drive : Hydraulic, 45 litre/min @ 200 bar, volume 20 litre, open loop, control valve, quickconnectors

### DEPTH AND TENSION MEASURING

- SmartMonitor : SmartMonitor 12 (12 / 24 VDC, Standard, 12" display, touch screen, Ex Zone 2, ATEX)
- Depth measurement : Encoder, Incremental, 1024 PPR, Ex Zone 1, ATEX
- Measuring head : SmartHead basic (tension range 0-10,000 kg (0-22.050 lbs), measure wheel 7.64", Ex Zone 1, ATEX
- Load pin : Stainless steel, 1 ton, single signal, 4-20 mA, integrated amplifier, 12 m of 4 wire cable, Ex Zone 1, ATEX

### WINCH DRUMS

- Mounting type : Modular, Single drum frame, 700D-700W, Chain drive, Aluminium
- Supplied drum : BC06 (ODxDxW= 700x260x700 mm, chain driven
- Brake : Single brake rim (FailSafe, Pneumatic Actuated)
- Slipping : 1200 VAC, 7.5 A, number of rings 2, stainless steel, IP66, Ex Zone 1, ATEX
- Gearbox : ChainDrive, Planetary reduction gear, ratio i=20
- Levelwind arms : Pneumatic

### FIRE AND GAS SAFETY

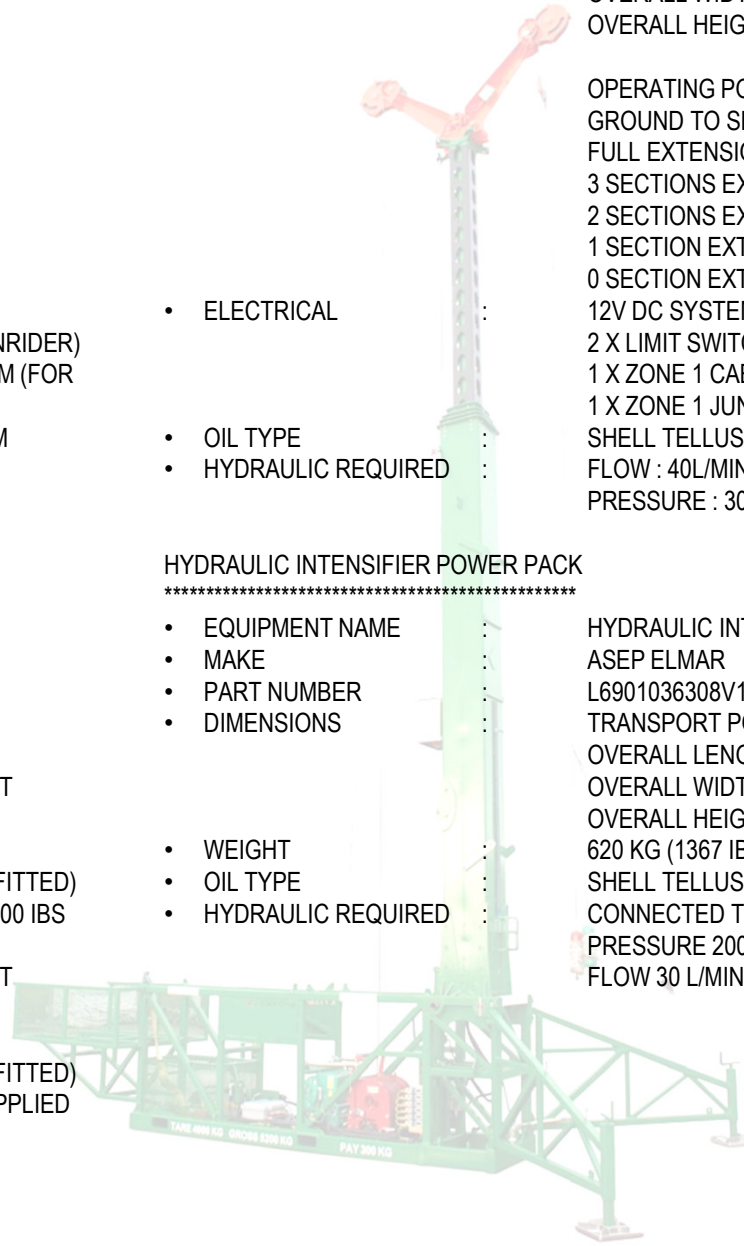
- Detection system : 115 VAC, 60 Hz, Ex Zone 1, ATEX, Control panel, PLC, Display, Smoke/Gas detectors, max. 100 A 1 ph switchable
- Smoke detector : Optical EEX - IA (Orbis) included base
- Gas detector : Xgard 5 (C<sub>2</sub>H<sub>4</sub>)

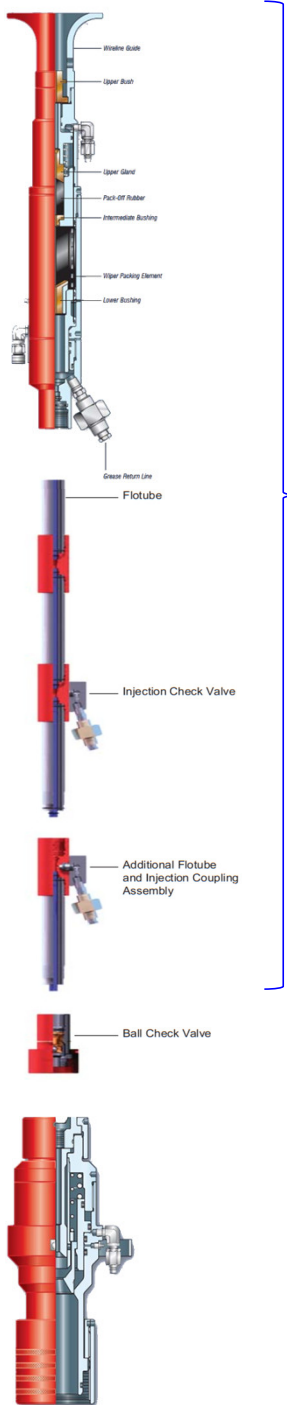
### FLUIDS

- Main hydraulic fluid reservoir : Reservoir capacity = 175 l (46.2 US gal)      Fluid = Tellus T46, Shell product code 65402
- Coolant reservoir : Fluid = AGIP KSV SPECIAL
- Engine diesel tank : Capacity = 300 l (79.3 US gal)      Fuel = Diesel
- Engine oil tank : Capacity = see Iveco documentation      Oil = DELVAC SUPER 1400 15W40
- Winch transmission reduction gearbox : Capacity = 3 litre (0.8 gal)      Oil = Spirax S, product code 59226

## CHS BASIC SURFACE EQUIPMENTS : MAST

<ul style="list-style-type: none"> <li>• EQUIPMENT NAME : 70FT ZONE 1 TELESCOPIC WIRELINE MAST UNIT</li> <li>• MAKE : ASEP ELMAR</li> <li>• PART NUMBER : L6901031666V01</li> <li>• CERTIFICATION : DNV 2.7-3</li> <li>• MAX HEIGHT : 70 FT</li> <li>• MAX COMBINED COLUMN SWL : 20000 IBS (9.1 mT)</li> <li>• TOTAL SECTION : 5</li> <li>• NUMBER OF WINCH : 2</li> <li>• WINCH #01 : UTILITY WINCH SWL 2.00 mT ONLY</li> <li>• WINCH #02 : UTILITY OR MANRIDER WINCH UTILITY MODE SWL 2.00 mT MANRIDING MODE SWL 0.15 mT</li> <li>• SAFETY SYSTEMS : HIGH HOOK S/DOWN SYSTEM SLACKWIRE S/DOWN SYSTEM (FOR MANRIDER) LAST THREE WRAP SHUT DOWN SYSTEM (FOR MANRIDER) HYDRAULIC LOAD MONITORING SYSTEM</li> <li>• WEIGHT (GROSS) : 5200 KG (11464 IBS)</li> <li>• MODULAR WEIGHTS : COLUMN SECTION 2100 KG (4630 IBS) BASE SECTION 2600 KG (5723 IBS) HORSE HEAD SECTION 200 KG (441 IBS) ACCESSORIES/MISC 300 KG (661 IBS)</li> <li>• OPERATION LIMITATION : WIND SPEED 0-40 MPH</li> <li>• MAX COMBINATION COLUMN LOAD : 20000 IBS UTILITY WINCH SWL : 2.00 mT MANRIDER WINCH (MANRIDING) : 0.15 mT MANRIDER WINCH (UTILITY) : 2.00 mT  WIND SPEED 40-60 MPH (STORM GUYS FITTED) MAX COMBINATION COLUMN LOAD : 20000 IBS UTILITY WINCH SWL : 2.00 mT MANRIDER WINCH (MANRIDING) : 0.15 mT MANRIDER WINCH (UTILITY) : 2.00 mT  WIND SPEED 60-80 MPH (STORM GUYS FITTED) NO WINCH OR WIRELINE LOAD TO BE APPLIED TO THE MAST</li> <li>• DESIGN TEMPERATURE : MINIMUM -20°C</li> <li>• HAZARDOUS ZONING : ZONE 1</li> </ul>	<ul style="list-style-type: none"> <li>• DIMENSIONS : TRANSPORT POSITION OVERALL LENGTH : 6130 MM (20.1 FT) OVERALL WIDTH : 1480 MM (4.90 FT) OVERALL HEIGHT : 1450 MM (4.80 FT)</li> <li>• OPERATING POSITION GROUND TO SHEAVE WHEEL CENTRE FULL EXTENSION : 21330 MM (70.0 FT) 3 SECTIONS EXTENDED : 17825 MM (58.5 FT) 2 SECTIONS EXTENDED : 14445 MM (47.4 FT) 1 SECTION EXTENDED : 11190 MM (36.7 FT) 0 SECTION EXTENDED : 8100 MM (26.6 FT)</li> <li>• ELECTRICAL : 12V DC SYSTEM 2 X LIMIT SWITCHES ON HORSE HEAD 1 X ZONE 1 CABLE REEL FOR LIMIT SWITCHES 1 X ZONE 1 JUNCTION BOX FOR ELECTRICAL</li> <li>• OIL TYPE : SHELL TELLUS T46 HYDRAULIC OIL</li> <li>• HYDRAULIC REQUIRED : FLOW : 40L/MIN (MAXIMUM) PRESSURE : 3000 PSI</li> </ul> <p>HYDRAULIC INTENSIFIER POWER PACK *****</p> <ul style="list-style-type: none"> <li>• EQUIPMENT NAME : HYDRAULIC INTENSIFIER POWER PACK</li> <li>• MAKE : ASEP ELMAR</li> <li>• PART NUMBER : L6901036308V1</li> <li>• DIMENSIONS : TRANSPORT POSITION OVERALL LENGTH : 1140 MM (3.74 FT) OVERALL WIDTH : 950 MM (3.12 FT) OVERALL HEIGHT : 955 MM (3.13 FT)</li> <li>• WEIGHT : 620 KG (1367 IBS)</li> <li>• OIL TYPE : SHELL TELLUS T46</li> <li>• HYDRAULIC REQUIRED : CONNECTED TO AN OPEN LOOP CIRCUIT PRESSURE 2000 PSI MAXIMUM FLOW 30 L/MIN MAXIMUM</li> </ul>
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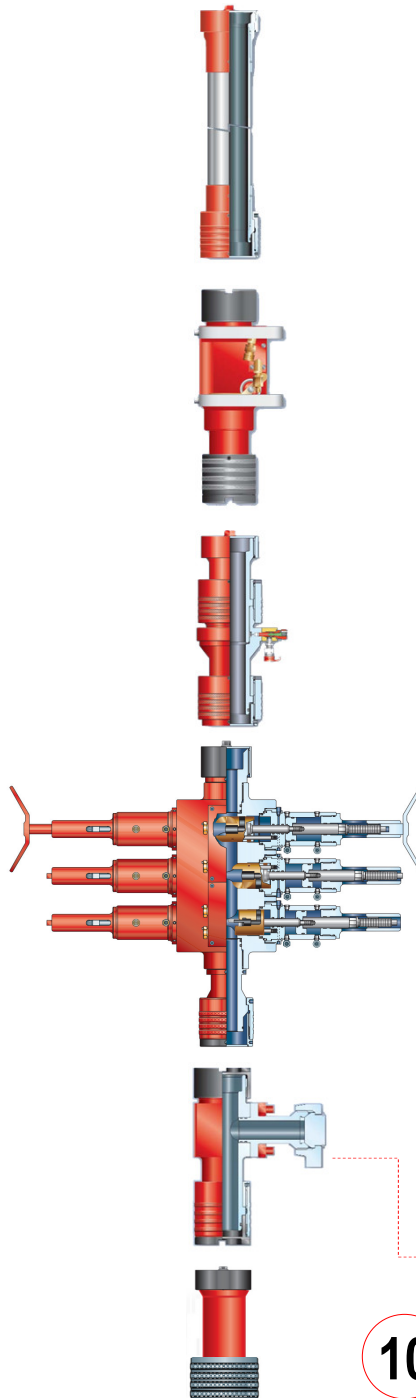




**1**  
GREASE  
INJECTION  
CONTROL  
HEAD WITH  
STUFFING  
BOX, LINE  
WIPER AND  
FLOW TUBES

**2**  
BALL CHECK  
VALVE ASSY

**3**  
TOOL  
CATCHER



**4**  
LUBRICATOR/  
PUP JOINTS

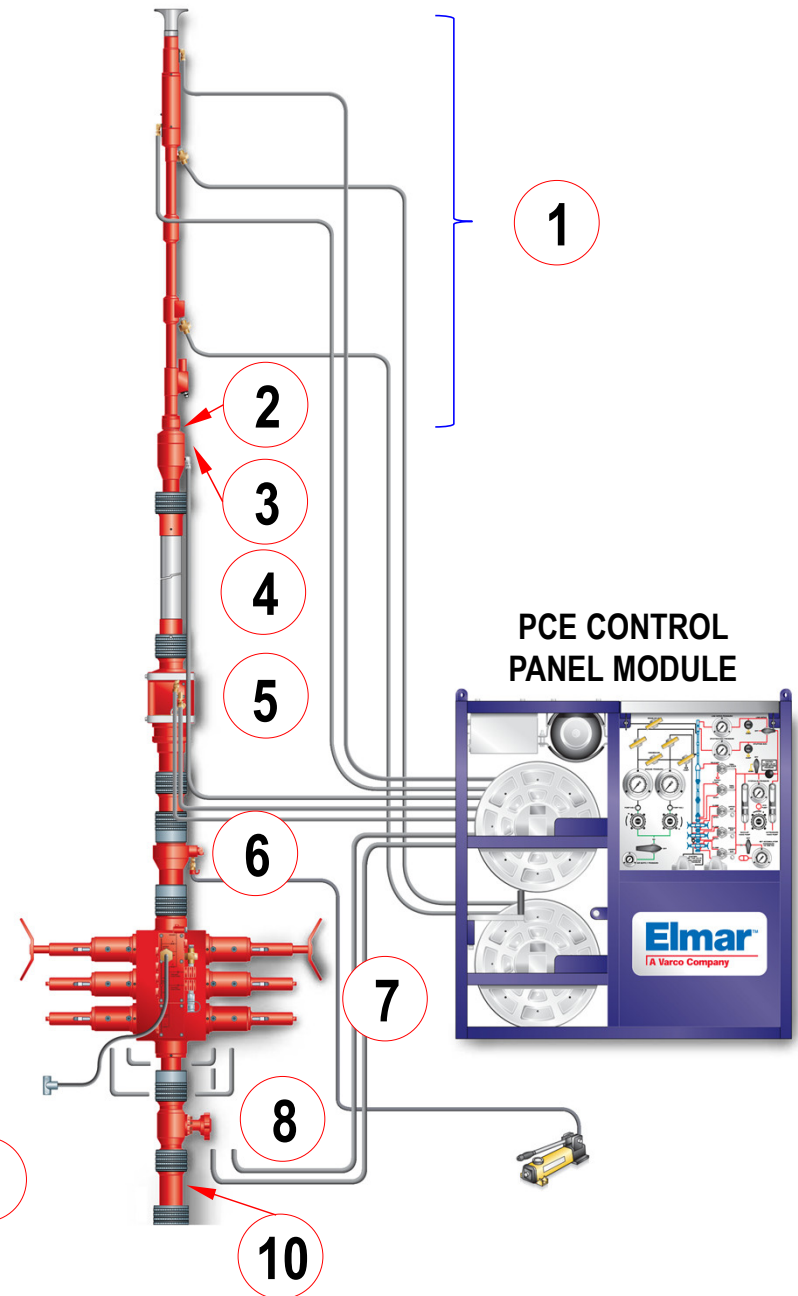
**5**  
TOOL  
TRAP

**6**  
QUICK TEST  
SUB

**7**  
WIRELINE  
VALVE/BOP

**8**  
PUMP-IN SUB  
PLUG VALVE

**9**  
**10** WELLHEAD  
X-OVER



**1**

**2**

**3**

**4**

**5**

**6**

**7**

**8**

**10**

PCE CONTROL  
PANEL MODULE

**Elmar**  
A Varco Company