



## Barossa Offshore Project



- Valves shall be provided with a locking arrangement to lock the valve in open or close position.
- Valve shall be provided with positions indicator.
- RTJ Flanged to ASME B16.5.
- Gear box should be heavy duty ductile iron / steel housing with solid SS316 shaft and handwheel.
- Supplier to propose compact valves as an option.

**Dual Plate Check Valves:**

- Valve shall be retainer less design, heavy spring loaded and suitable for horizontal installation and vertical installation with flow upward.
- Valve shall have metal to metal seating surface. Seating areas shall be hard faced.
- Valve shall have integral seat design.
- Check Valves shall be double flanged type, unless specified as lugged wafer or with hub ends. In case of lugged wafer design lug holes shall be drilled through (not threaded) to allow the stud bolts to slide through.

Valves Size, Description and Service:

Size [Inches]	Valve Description	Valve Tag	Service	Approximate Qty Subject to Change
6"	Ball Valve, Class 2500, Duplex SS, Inconel 718 or Elgiloy Spring, Full Bore, RTJ, API 6D with Gear Operator	06-G5DN-2JBX	Gas Production Risers	12
6"	Ball Valve, Class 2500, Duplex SS, Inconel 718 or Elgiloy Spring, Full Bore, HUB, API 6D with Gear Operator	06-G5DFN-2GBX	Service Risers	15
14", 16"	Ball Valve, Class 2500, Duplex SS (see Note 1), Inconel 718 or Elgiloy Spring, Full Bore, HUB, API 6D with Gear Operated	XX-G5DN-2GBX	Gas Production Risers	11
6"-14"	Ball Valve, Class 1500, Carbon Steel Body with SS316 ball / trim, Inconel 718 or Elgiloy Spring, Full Bore, RTJ API 6D, Gear Operator	XX-F2N-2JBC	Gas Export Risers	6
4"-16"	Ball Valve, Class 900, Duplex SS, Inconel 718 or Elgiloy Spring, Full Bore, RTJ, API 6D with Gear Operator	XX-E5DN-2JBX	Gas Production Risers	29
16"	Ball Valve, Class 900, Duplex SS, Inconel 718 or Elgiloy Spring, Reduced Bore, RTJ, API 6D with Gear Operator	16-E5DN-2JNX	Service Risers	1
10"-14"	Ball Valve, Class 150, SS316, Inconel 718 or Elgiloy Spring, Full Bore, RF, API 6D with Gear Operator	XX-ASN-2RBS	Gas Production and Service Risers	10
6"	Check Valve, Class 2500, Duplex SS, Alloy 718 or Elgiloy Spring, Dual Plate Retainerless, HUB, API-594	06-G5DFN-5GWX	Service Risers	10
14"	Check Valve, Class 2500, Duplex SS (see Note 1), Alloy 718 or Elgiloy Spring, Dual Plate Retainerless, HUB, API-594	14-G5DN-5GWX	Gas Production Risers	10
14"	Check Valve, Class 1500, Carbon Steel, Seat same as Body plus Hard Faced (Stellite 6), SS316 Plates and Trim, Alloy 718 or Elgiloy Spring, Dual Plate Retainerless Double RTJ, API 594	14-F2N-5JWC	Gas Export Risers	2

Note 1: Large size valves (14", 16") in corrosive service shall be made of duplex stainless steel or from carbon steel body with full weld overlay of Inconel 625 (minimum 3mm thickness after machining) on all wetted parts including flange faces and /or RTJ grooves is an acceptable substitution in lieu of Duplex SS valve body material.

The full package scope and services provided by the Supplier shall include:

- Ball and Check Valves;
- Hydrostatic Pressure Tests (Shell, Seat);
- Factory Acceptance/Functional Test;
- Charpy Impact and Hardness Tests;
- Valves shall be coated per project painting and corrosion protection specification;
- Visual Inspection 100%; Liquid Penetrant Testing 100%; Radiography 100% of casting or forging; PMI 10% of Valves (for CRA Components).
- Quality Documentation (Traceability/Serialization Records, Material Test Reports, Weld/PWHT Reports, Inspection/NDT/Test Records, Positive Materials Identification for SS and alloys).

Anticipated project schedule: Contract Award Q2 2020; Delivery Q2 2021.

### **Project Registration**

ConocoPhillips is committed to ensuring Australian Industry full, fair and reasonable opportunity to participate in the Barossa Offshore Project. Expressions of Interest are invited from contractors and suppliers with the relevant capability and capacity to undertake the scope of work.

This is a request for specific expressions of interest. Contractors and suppliers will be considered for prequalification and tender if suitably qualified against this package.

**Note** that an important part of the project registration process is to register an Expression of Interest at the correct Scope level.

Scope level definition:

**Full scope:** Able to produce / supply the entire package.

**Partial scope:** Able to produce / supply one or more of the sub-packages.

All registrations are to be completed via ICN Gateway [BarossaOffshore.icn.org.au](http://BarossaOffshore.icn.org.au). Please contact the ICNNT if registration assistance is required. Contact details: (08) 8922 9422 or [admin@icnnt.org.au](mailto:admin@icnnt.org.au).

Project

Website [ConocoPhillips Australia](http://ConocoPhillips Australia)

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