

The Spoked Solutions DPDT-DU GEN 3 is designed to compact the existing Gen 2 technology into a smaller footprint and continue to meet the needs of ongoing deepwater operations.

The unit has increased in capacity and reduced to 28ft², still providing primary, backup, and a not onboard bypass line. The unit may still be backflushed using HP pumps or auxiliary equipment, or simply cleaned manually during scheduled downtime.

The GEN 3 is still rated to 15ksi and is capable of 18bpm+ pump rates.

Pup Joint (Barrel) Characteristics:

Size: 7.625" Casing

Weight: 45.30 lbs/ft

Material: Q-125

Pup Joint ID: 6.435"

Thread Type: Stub ACME 7.562-4-2G Pin X Pin

Body Yield Strength: 1,643,000 lbs

Burst Strength: 17,080 psi

Collapse Strength: 17,090 psi

Screen Characteristics:

Type: 4.500" DeltaDirect Wire Wrap Screen

Base Pipe Weight: 13.50 lbs/ft

Base Pipe Material / Thread: 4.500" P-110 API 8RD LTC Box X Pin

Base Pipe Collapse Strength: 10,670 psi

Base Pipe Burst Strength: 12,410 psi

Base Pipe Tensile Strength: 338,000 lbs

Screen Material: 316L Stainless Steel

Screen OD: 5.29"

Base Pipe ID: 3.92"

Screen Max Collapse Rating: 5,700psi

3-Way Adapter Characteristics:

Nominal OD: 8.530"

Nominal ID: 3.187"

Material: A-519 4140 Grade 125

Upper Thread Type: Stub ACME 7.562-4-2G Box

Lower Thread Type: ACME 5.375-3.5-2G Box

Internal Thread Type: 4.500" API 8RD LTC 13.50 lbs/ft Box

Pup Joint (Barrel) Crossover Compliments:

Applicable to each Barrel Inlet

Thread Type: 3" 1502 Hammer Union 15K F

Thread Locking Lug: Yes

Thread Locking Screw: Yes

Thread Type: 0.312"-24UNF-2A

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Pup Joint (Barrel) Internal Configuration:

Bull Plug: Yes - Single direction capture

OD: 5.050"

Thread Type: 4.500" API 8RD LTC Pin

Screen Wire Gauge: 6 GA - Client Customization

Screen Joint OAL: 2.8 ft

Screen Length: 1.8 ft

Pup Joint Length: 3.5 ft

Bypass Lines:

One bypass line for the unit

Type: 3" 1502 WECO FxM

Pup Joint (Barrel) Capacities:

Single Barrel Hydrated Capacity: 6 gal

Single Barrel Dehydrated Capacity: 0.52 ft³

Unit Hydrated Capacity: 35 gal

Unit Dehydrated Capacity: 3.1 ft³

General Features

Secondary containment for Barrel capacity

Remote pressure digital readout

Small footprint (8'x4.0'x5.5')

Primary, backup, and bypass capabilities

Specifications

15,000psi HP rating

5,700psi Δp across screens

Greater than 18bpm per Barrel

3" bypass line

Nitril Seals are default elastomer

Outlet ID restriction is 3.187"

