

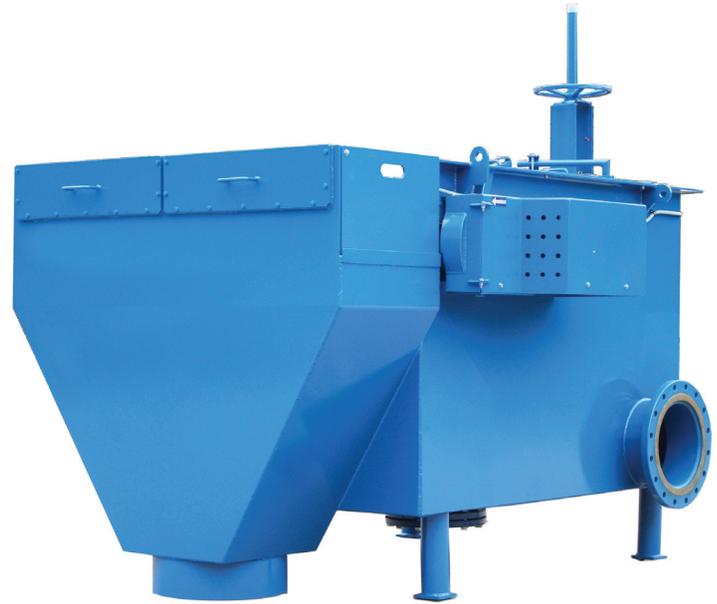
# IMPROVING SOLIDS CONTROL EFFICIENCY BY EFFECTIVELY REMOVING GUMBO AND OTHER STICKY CLAYS BEFORE REACHING DOWNSTREAM SOLIDS CONTROL EQUIPMENT

Gumbo boxes are the first step in effective solids control when large, sticky, hydrated clays (gumbo) and other troublesome solids are encountered during drilling. Gumbo boxes use a motorized chain conveyor to remove problematic solids before they reach the shale shakers. The removal of gumbo and other solids by these units allow the downstream solids control equipment to operate much more efficiently.

A cartridge assembly houses the gumbo chain(s) or scalper(s) that convey the solids to be discharged. Gumbo boxes are available in three configurations:

- 5 foot (1.5 meter) single cartridge
- 6 foot (1.8 meter) single cartridge
- 6 foot (1.8 meter) dual cartridge

The gumbo chain utilizes larger hole openings than a scalper belt. Optimum chain opening sizes can vary depending on the formation drilled and the needs of the drilling program. The gumbo box is available in single or dual cartridge units that can be installed on nearly any rig. Contact your NOV sales representative for more information.



FEATURES	BENEFITS
Stainless steel woven chain belt	Provides thousands of operating hours with reliable, maintenance-free service
Option to use single or dual cartridges	Enables customers to obtain the capacity required for their specific application
Ability to handle flow rates up to 3,800 gal/min (14,384 L/min)	Facilitates quick processing of gumbo and other trouble-some solids
Single Gumbo Box has the option for left and right drive ends	Allows for installation with existing electrics and/or operator preference.
Dual Gumbo Box can be wired to a common junction box	Single point for electrical connection and maintenance.
Available with dual outlet and chain bypass options	Bypass allows the Gumbo Box to be installed directly to the flow line without additional bypass valves in the rig flow line.
Can be provided with starters (optional)	Allows for isolation of one chain for maintenance or repairs, reduces down time.

## BRANDT™ Gumbo Box



### Nominal Specifications and Dimensions

General	5 Foot (1.5 Meter) Single	6 Foot (1.8 Meter) Single	6 Foot (1.8 Meter) Dual
Length	101 5/8 in (2581 mm)	115 15/16 in (2945 mm)	152 13/16 in (3881 mm)
Width	63 3/16 in (1605 mm)	56 1/4 in (1429 mm)	99 1/2 in (2527 mm)
Height	67 1/2 in (1715 mm)	74 15/16 in (1904 mm)	110 in (2794 mm)
Weight (Dry)	2,421 lb (1,199 kg)	3,400 lb (1,542 kg)	8,300 lb (3,765 kg)
Motor Type	Explosion Proof	Explosion Proof	Explosion Proof
Motor Power	1 hp (0.75 kW)	1 hp (0.75 kW)	(2) 1 hp (0.75 kW)
Gearbox Ratio	30:1	30:1	30:1
<p>*Specifications are subject to change based on configuration selected.  **Air Intake requires rig air of 60-80 PSI.</p>			