



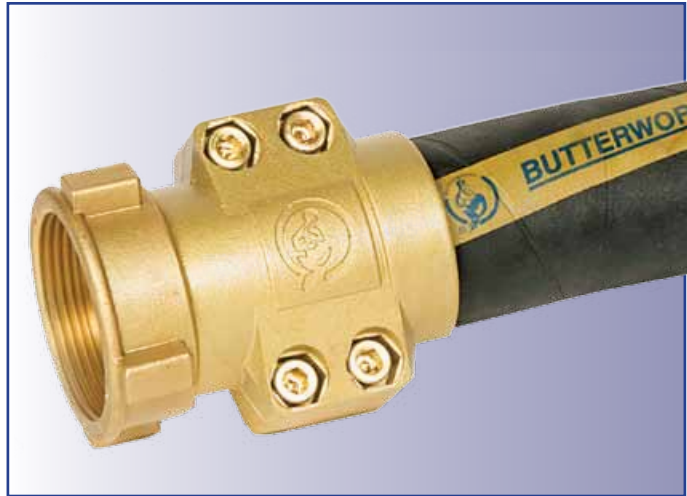
Product Data Sheet
Product: Tank Cleaning Hose, Couplings, & Accessories

... Tank Cleaning Technology since 1925

Quality Tank Cleaning Hose and Accessories

Butterworth Tank Cleaning Hoses are designed and manufactured for use in marine and industrial cleaning applications where safety and strength are required. Butterworth Tank Cleaning Hoses are manufactured by leading hose manufacturers to Butterworth's propriety specifications. Each hose is fully tested for operating pressure to 1000 psi and design conductivity at the time of manufacture. At the conclusion of the test, a Certificate with the serial number and test results accompany each Hose at the time of shipment. Standard lengths are 50ft, 75ft and 100ft. A full range of Accessories are available for use with Butterworth Tank Cleaning Hoses and Portable Tank Machines. A full 5 year unconditional warranty accompanies each Butterworth Tank Cleaning Hose.

- Five-Year Unlimited Warranty
- Fully tested for pressure up to 1000 PSI and electrical conductivity
- A serial number and Test Certificate is issued to each hose at the time of manufacture



Construction and Specifications

The hose consists of a compounded lining tube, spiralled reinforcement static wire, and a compounded cover.

Tube - Styrene Butadiene Rubber (SBR)

Cover - Made of a Styrene Butadiene Rubber (SBR) wrap. It shall be free of pitting or other defects and shall be of a uniform thickness no less than .060 in.

Reinforcement - The reinforcement is four plies of high strength nylon spiralled construction.

Electrical Bond - Two stainless steel AISI 316L wires of 1.6 mm diameter.

19 Strands are each applied spirally in parallel wound incorporated between fabric layers.

Depth Rings - 2 in. wide depth rings exactly every 5 feet.

Flexibility - 20 inches (500mm)

Burst Test - Two 1 meter samples with couplings attached shall not burst less than 1000 PSI.

Serialization - A serial number is required and will be located approximately 10 inches from each end of the cover.

Butterworth Couplings - Brass investment casted machined couplings of ASTM - C3777.



This product has been manufactured by Veyance Technologies Canada Inc.

I- ORDER

Goodyear doc. #: 4998486

II- HOSE DATA

Serial #: 2-6398-1
 Specification #: 542-952-064-41001
 Standard: BUTTERWORTH DRAWING : AH4-03-0037
 Recommended service: TANK CLEANING CPLD
 Date manufactured: October 3, 2011
 Design burst pressure: 1000 psi
 Size: 2 in. I.D.
 Work Order: 4269460000001 # 1
 Couplings: Ends #1: BUTTERWORTH COUPLING
 Ends #2: BUTTERWORTH COUPLING

Date tested: October 5, 2011
 Maximum W.P.: 250 psi
 Overall length: 100 ft.

III- CERTIFIED TESTS

Hose comp.	Type	Min	Max	Nominal	UOM	Results
LENGTH EMPTY HOSE						
HOSE	ORDERED LENGHT					1200 pass
	EMPTY LENGHT				INCHES	1207 pass
	RESULT	-1	+1		%	1 pass
ELECTRICAL RESISTANCE						
		0	18.0			14.9 pass

CERTIFY BY: *Lynns Lison* QUALITY ASSURANCE ON April 17, 2012

Test Certificate

Butterworth



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Tank Cleaning Hose

Working Pressure	250 PSI (17 Bar)
Burst Pressure	1000 PSI (69 Bar)
Maximum Temperature	200°F (93°C)
Tensile Strength	300 lbs.
Tube	Styrene Butadiene Rubber (SBR)
Cover	Styrene Butadiene Rubber (SBR)
Reinforcement	Four Layers of strong and flexible synthetic braids.
Static Wires	Two stainless steel AISI 316L wires of diameter 1.60 mm each. Consisting of 19 twisted threads of diameter 0.2 mm each.
Minimum Bend Radius 2.00" Hose	20 inches (500 mm)
Depth Rings	Every 5 feet or 1.53 meters
Testing	Each hose and hose assembly tested for electrical continuity.
Hose Coupling	Thread size 2.50" – 63.5mm Thread Type ASA-B 26F MOC Bronze

Hose Part Numbers

ID		OD		Weight		Lengths		Coupling	Continuity	Part No
IN	MM	IN	MM	FT	MTR	FT	MTR			
2.00	51.00	2.834	72.00	1.6 lbs.	2.4 kg	50	15	2.50" NST(F) – Bronze	7-9 Ohms	S300
2.00	51.00	2.834	72.00	1.6 lbs.	2.4 kg	75	25	2.50" NST(F) – Bronze	10-13 Ohms	S301
2.00	51.00	2.834	72.00	1.6 lbs.	2.4 kg	100	30	2.50" NST(F) – Bronze	14-18 Ohms	S302



Accessories

Product	Specification	Material	Part No
Double Male Coupling	2.50" NST(M) x 2.50" NST(M)	Bronze	S205
Adapter	2.50" NST(F) x 1.50" NPT(M)	Bronze	S202
Adapter/Filter	2.50" NST(F) x 2.50" NST(M) w/Screen	Bronze	S245
Y Connector	2.50" NST(F) x (M) x (M)	Bronze	S209
Vacuum Breaker	2.50" NST(F) x 2.50" NST(M)	Bronze	S220
Hose Saddle & Cover	2.00" Hose	Aluminum/Bronze	1314AL
Hose Spanner Wrench	2.50" NST Hose Couplings	Bronze	S407
Storz C Adapter	2.00" Storz MNST	Bronze	S451
Nakajima Adapter	NAK 40MM x 2.5 MNST	Bronze	S472
Nakajima Adapter	NAK 50MM x 2.5 MNST	Bronze	S473
Nakajima Adapter	NAK 65MM x 2.5 MNST	Bronze	S474

*Contact us for other fitting requirements.