

TODO[®]



DRY-BREAK HOSE COUPLINGS



GUYSON

HOSE & COUPLINGS DIVISION



FS 28046

TODO®

DRY-BREAK HOSE COUPLINGS

FOR SPILL-FREE LIQUIDS HANDLING

Connect and disconnect without spillage

Increases safety, saves cost of product wastage, protects operator, and eliminates environmental pollution.

Simple, one-step operation

Connection and disconnection is by one simple turn through 100°.

Operating mechanism is internally enclosed with no vulnerable external levers.

Foolproof interlocking of valves

Sequential interlocked valve design means that coupling only disconnects after both valves are fully closed. Removes the human error element in product handling - unauthorised connection or disconnection has no adverse safety consequences. Simplifies operation and removes the need for a separate isolation valve.

Built-in 360° swivel

Contributes to ease of handling and prevents torquing of hose. Reduces stress and wear by allowing hose to relax to its natural position. Coupling operates independently of hose orientation.

Connect and disconnect under pressure

Can be connected under differential pressures up to 7 bar approx. depending on size.

High flow rate + low pressure drop

Specifically designed for high volume transfer of liquids.

Wide range of sizes and materials

Available as standard in aluminium, brass/gunmetal and stainless steel, in sizes from DN25 up to DN150 (1" nb up to 6" nb). Standard seals are Viton, with nitrile, EPDM, Chemraz, Kalrez, etc., as options.

Simple, robust construction

Few moving parts, low maintenance, easy servicing and repair.

Selectivity option

Specifying this extra feature allows dedication of a hose unit to its correct tank unit (s), physically preventing incorrect connection and potential product cross-contamination.

Locking option

Available on the 3" stainless steel hose units as an optional extra, this facility minimizes the risk of unintentional disconnection of the coupling.

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HOSE UNITS	Part No.	Material	End Connection	Handles
DN25 (1" nb)	T7100-1407 T7100-2407 T7100-4407	aluminium brass stainless steel	1" BSP	0
	T7455-1407 T7455-2407 T7455-4407	aluminium brass stainless steel	1" NPT	0
	T7125-1407 T7125-2407 T7125-4407	aluminium brass stainless steel	1 1/4" BSP	0
	T7456-1407 T7456-2407 T7456-4407	aluminium brass stainless steel	1 1/4" NPT	0
DN50 (2" nb)	T5005A-1407 T5005A-2407 T9150G-4407	aluminium gunmetal stainless steel	1 1/2" BSP	1 1 1
	T7468A-1407 T7468A-2407 T9151G-4407	aluminium gunmetal stainless steel	1 1/2" NPT	1 1 1
	T5006A-1407 T5006A-2407 T9200G-4407	aluminium gunmetal stainless steel	2" BSP	1 1 1
	T7469A-1407 T7469A-2407 T9201G-4407	aluminium gunmetal stainless steel	2" NPT	1 1 1
DN65 (2 1/2" nb)	T5332G-1307 T5332G-2407 T9250G-4407	aluminium gunmetal stainless steel	2 1/2" BSP	2 2 2
	T7472G-1307 T7472G-2407 T9251G-4407	aluminium gunmetal stainless steel	2 1/2" NPT	2 2 2
	T5432G-1307 T5432G-2407 T9260G-4407	aluminium gunmetal stainless steel	3" BSP	2 2 2
	T7473G-1307 T7473G-2407 T9261G-4407	aluminium gunmetal stainless steel	3" NPT	2 2 2
DN80 (3" nb)	T5532F-1307 T5532F-2407 T9300F-4407	aluminium gunmetal stainless steel	3" BSP	2 2 2
	T7475F-1307 T7475F-2407 T9301F-4407	aluminium gunmetal stainless steel	3" NPT	2 2 2
DN100 (4" nb)	T5632H-1307 T5632H-2407 T9400-4407	aluminium gunmetal stainless steel	4" BSP	2 2 2
	T7477H-1307 T7477H-2407 T9401-4407	aluminium gunmetal stainless steel	4" NPT	2 2 2
DN150 (6" nb)	T7200-1407 T7200-2407 T7200E-4407	aluminium gunmetal stainless steel	6" BSP	2 2 2
	T7201-1407 T7201-2407 T7201E-4407	aluminium gunmetal stainless steel	6" NPT	2 2 2

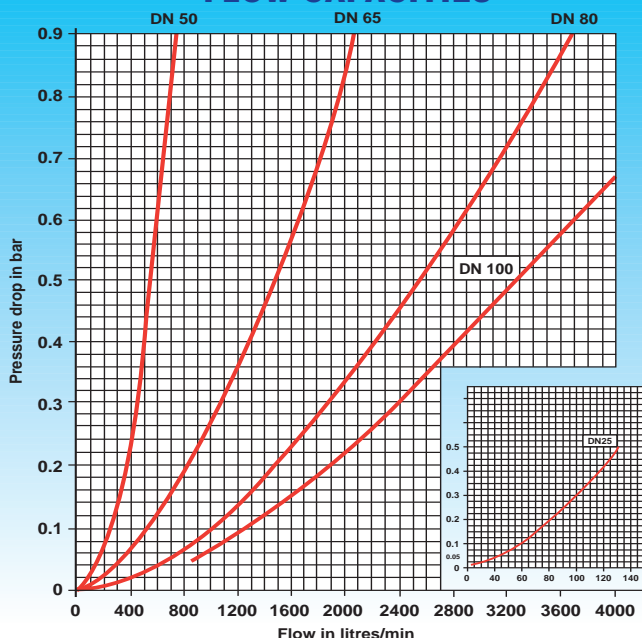
NOTE: Some hose units are available with flanged end connections. Please consult Guyson Technical Department.

TANK UNITS	Part No.	Material	End Connection
DN25 (1" nb)	T4942A-1107 T4942A-2207 T4942A-4407	aluminium brass stainless steel	1" BSP
	T7451A-1107 T7451A-2207 T7451A-4407	aluminium brass stainless steel	1" NPT
	T4864A-4407	stainless steel	1" ASA 150 RF flange
	T4868A-4407	stainless steel	DN25 PN10/16 RF flange
	T4992A-1107 T4992A-2207 T4992A-4407	aluminium brass stainless steel	1 1/4" BSP
	T7452A-1107 T7452A-2207 T7452A-4407	aluminium brass stainless steel	1 1/4" NPT
	T4865A-4407	stainless steel	1 1/4" ASA 150 RF flange
	T4869A-4407	stainless steel	DN32 PN10/16 RF flange
DN50 (2" nb)	T5001-1107 T5001-2207 T5001A-4407	aluminium gunmetal stainless steel	1 1/2" BSP
	T7466-1107 T7466-2207 T7466A-4407	aluminium gunmetal stainless steel	1 1/2" NPT
	T5025-1107 T5025-2207 T5025A-4407	aluminium gunmetal stainless steel	1" ASA 150 RF flange
	T5113-1107 T5113-2207 T5113A-4407	aluminium gunmetal stainless steel	DN40 PN10/16 RF flange
	T5002-1107 T5002-2207 T5002E-4407	aluminium gunmetal stainless steel	2" BSP
	T7467-1107 T7467-2207 T7467E-4407	aluminium gunmetal stainless steel	2" NPT
	T5109-1107 T5109-2207 T5109A-4407	aluminium gunmetal stainless steel	2" ASA 150 RF flange
	T5114-1107 T5114-2207 T5114A-4407	aluminium gunmetal stainless steel	DN50 PN10/16 RF flange

Continued overleaf....

TANK UNITS	Part No.	Material	End Connection
DN65 (2½" nb)	T5331C-1107 T5331C-2207 T5331X-4407	aluminium gunmetal stainless steel	2½" BSP
	T7470C-1107 T7470C-2207 T7470X-4407	aluminium gunmetal stainless steel	2½" NPT
	T5306C-1107 T5306C-2207 T5306D-4407	aluminium gunmetal stainless steel	2½" ASA 150 RF flange
	T5329C-1107 T5329C-2207 T5329D-4407	aluminium gunmetal stainless steel	DN65 PN10/16
	T5431C-1107 T5431C-2207 T5431X-4407	aluminium gunmetal stainless steel	3" BSP
	T7471C-1107 T7471C-2207 T7471X-4407	aluminium gunmetal stainless steel	3" NPT
	T5405C-1107 T5405C-2207 T5405D-4407	aluminium gunmetal stainless steel	3" ASA 150 RF flange
	T5340C-1107 T5340C-2207 T5340D-4407	aluminium gunmetal stainless steel	DN80 PN10/16 RF flange
DN80 (3" nb)	T5531C-1107 T5531C-2207 T5531X-4407	aluminium gunmetal stainless steel	3" BSP
	T7474C-1107 T7474C-2207 T7474X-4407	aluminium brass/gunmetal stainless steel	3" NPT
	T5505C-1107 T5505C-2207 T5505D-4407	aluminium gunmetal stainless steel	3" ASA 150 RF flange
	T5544C-1107 T5544C-2207 T5544D-4407	aluminium gunmetal stainless steel	DN80 PN10/16 RF flange
DN100 (4" nb)	T5631-1107 T5631-2207 T5830A-4407	aluminium gunmetal stainless steel	4" BSP
	T7476-1107 T7476-2207 T7480A-4407	aluminium gunmetal stainless steel	4" NPT
	T5600-1107 T5600-2207 T5800D-4407	aluminium gunmetal stainless steel	4" ASA 150 RF flange
	T5695-1107 T5695-2207 T6600D-4407	aluminium gunmetal stainless steel	DN100 PN10/16 RF flange
DN150 (6" nb)	T7210-1107 T7210-2207 T7210-4407	aluminium gunmetal stainless steel	6" BSP
	T7211-1107 T7211-2207 T7211-4407	aluminium gunmetal stainless steel	6" NPT
	T7212-1107 T7212-2207 T7212A-4407	aluminium gunmetal stainless steel	6" ASA 150 flange
	T7212-1107 T7212-2207 T7212A-4407	aluminium gunmetal stainless steel	DN150 PN10/16 flange

FLOW CAPACITIES



PRESSURE RATINGS

DN25-100 (1"-4"nb)

Aluminium, brass/gunmetal:

10 bar

Stainless steel:

25 bar

DN150 (6"nb)

Aluminium, gunmetal:

6 bar

Stainless steel:

10 bar

GUYSON SERVICE

The Hose & Couplings Division of Guyson offers immediate technical advice and assistance in selection of suitable couplings for any application, based on more than 80 years of specialist experience. Comprehensive stocks of couplings, spares, accessories, adaptors, etc. are available for immediate despatch.



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