

TODO



NEW

TODO® II Tank Units

TODO® is exceptionally proud to announce its new and improved range of STANAG 3756 tank unit adaptors. These brand new tank units will be replacing the current TODO-MATIC® versions with the intent of providing our customers with improved serviceability, pressure drop, and design. This next generation of tank units is marked as TODO® II, a result of our long-lasting tradition of innovation.

Reduced Service Time

The new TODO® II Tank Unit has been designed to reduce the amount of time it takes to assemble and disassemble each unit. The internal components can be removed in one piece, the O-ring replaced, and then re-assembled in three easy steps:

- 1 Compress piston and insert 3D printed retainer clip on shaft
- 2 Remove internal assembly and replace O-ring
- 3 Re-fit internal assembly into the body with new lock ring

Key Benefits

- ✓ **DRY-BREAK® Coupling** virtually zero spill on disconnect
- ✓ **STANAG 3756 compliant** cross-compatible with other brands
- ✓ **Quick and simple connection** couple hose unit on and turn to start flow – saves time versus more labour intensive alternative couplings
- ✓ **Tried and trusted brand** TODO® is the most recognised brand of DRY-BREAK® couplings in the world
- ✓ **Safety Factor: 5:1**
- ✓ **Zero containment leakage** under pressure
- ✓ Approved by **world leading standards bodies**



Weight Reduction

Up to 33% reduction in weight whilst maintaining the high quality of the product and the 5:1 safety factor – i.e. no removal of wall thickness to meet our goals.

Reduced Pressure Drop

The new TODO® II Tank Unit features majorly enhanced flow rates due to:

- Reduced flow turbulence through piston design
- Computer simulated flow in the design of components
- Physically tested flow rates for best in class results

Upgraded Certification - TPED II

Not only have we carried over the high standards of PED certification from the TODO-MATIC® design – we’ve added TPED to our list of approvals – you’ll see a Pi mark on our new TODO® II Tank Unit labels.

Flow Rates

The below chart details physical results of our gravity discharge testing. The table highlights the timing difference (in minutes) in two scenarios:

1. TODO® II Tank Unit coupled to TODO-MATIC® Hose Unit
2. TODO-MATIC® Tank Unit coupled to TODO-MATIC® Hose Unit

Results were recorded for 500 litre discharge and for full 1000 litre drain.



Table 2 shows the time differences in terms of actual minutes and percentage improvement.

Size	Timing / mins			
	1000 to 500 litres		1000 litre Full Drain	
	TODO II & TODO-MATIC	TODO-MATIC	TODO II & TODO-MATIC	TODO-MATIC
1 inch	12:50	18:47	34:20	54:36
2 inch	04:55	07:12	15:46	21:46
2.5 inch	01:54	02:06	05:32	06:08
3 inch	01:32	01:44	04:24	05:06
4 inch	00:47	00:48	02:38	03:14
6 inch	Comparable			

Table 1 - Timing Result of Gravity Discharge Testing.

Size	Time reduction (mins / secs)	% Improvement
1 inch	05:57	32%
2 inch	02:17	32%
2.5 inch	00:12	10%
3 inch	00:12	12%
4 inch	00:01	3%
6 inch	Comparable	

Table 2 - Time Reduction and Percentage Difference between TODO® II and TODO-MATIC® Tank Units.

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