

TeamTec Portable Ejectors

TeamTec Portable Ejectors are being supplied in 3 different models with a nominal suction capacity of abt. 3/6/9 m³/h. The Portable Ejectors are all equipped with connectors for attachment of hoses and the units are also supplied with one extra nozzle for lower driving water pressure.

Type of Ejector	Price 2019	Shipment Weight
1-1-1½	NOK 9.450,-	4 KGs
1¼-1¼-2	NOK 11.600,-	6 KGs
1½-1½-2½	NOK 14.850,-	9 KGs

The weights for the ejectors are relatively low but when being fitted with hoses filled with water, the weight increases considerably:

- The smallest size ejector w/hoses can easily be handled by one crew
- The medium size can also be handled by one crew if the height from deck to the tank bottom is 10 meter or less. If the height is more than 10 meter it will normally require 2 crew for easy handling of the equipment
- The largest size ejector will require 2 crew for convenient handling

We can also offer standard set of hoses for Portable Ejectors at the following specification:

- 30 meter of driving water hose
- 25 meter of non collapsible discharge hose
- 5 meter of non collapsible suction hose

The weights for standard sets of hoses are:

1-1-1½	40 KGs
1¼-1¼-2	60 KGs
1½-1½-2½	80 KGs

We thank you for the interest in our product and please revert for any additional information.

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TeamTec Portable Ejectors

TeamTec portable ejectors are powered either by water or by the same type of liquid being pumped.

The ejectors are normally made of bronze with nozzles of stainless steel.

The ejectors are delivered as illustrated, with built-in non-return suction valve and with hose couplings as specified below. Adapters for *Storz* or other quick couplings may be supplied. Each ejector is sold with one standard nozzle and one extra nozzle for lower driving pressure.

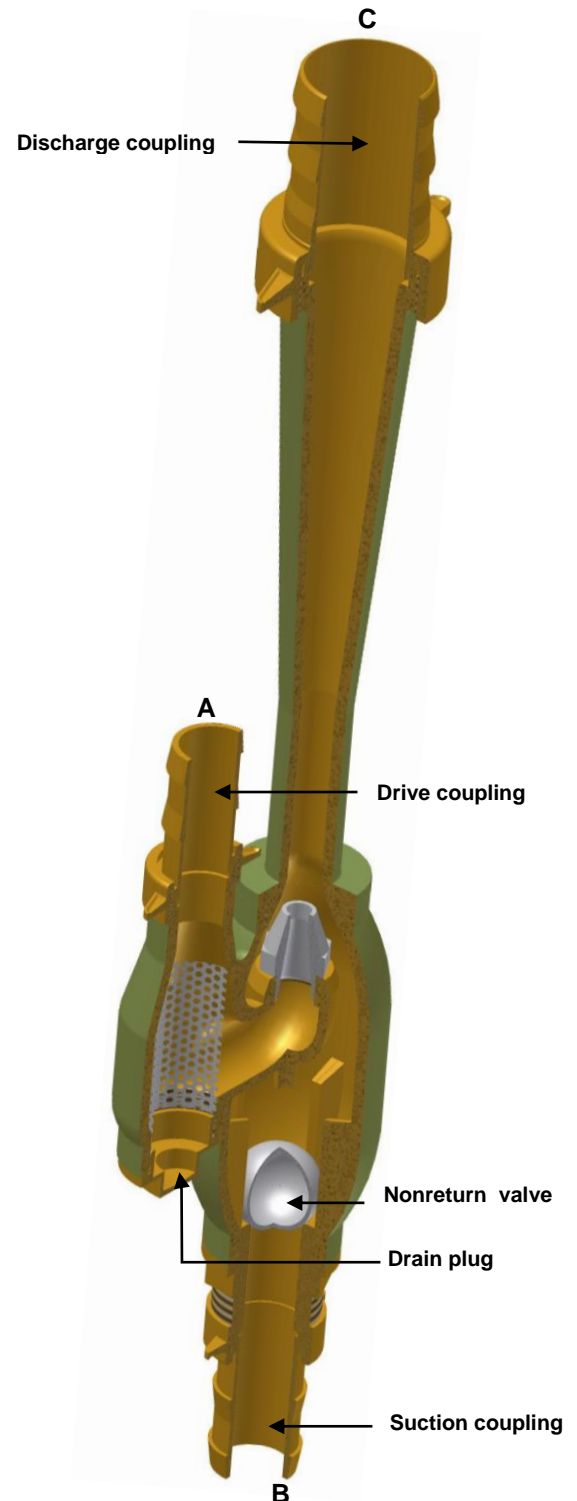
We can also deliver the ejector complete with hoses when desired. One standard set of hoses consists of:

- 30 m driving water hose
- 5 m non-collapsible suction hose and
- 25 m discharge hose

Portable ejectors have been found indispensable on product carriers, lube-oil tankers and chemical carriers where it is essential to empty the tanks completely. But they are also extremely useful on all other types of ships for mopping up the last few barrels of liquid from tanks, holds, cofferdams or other compartments where stripping is required.

When the driving water is closed on deck, the non-return valve will close to prevent back-flow to the emptied compartment.

When hauling the ejectors up after use, the total weight of ejector and hoses full of water will normally require one, two or three men respectively for the three sizes of ejectors. For large ships it is therefore often more practical to supply two ejectors of the smallest or medium size instead of one of the largest.



TYPE	Hose connections			Dimension		Weight
	A	B	C	L	H	KG
1-1-1½	1"	1"	1½"	47 cm	10 cm	3.5
1¼-1¼-2	1¼"	1¼"	2"	55 cm	12 cm	6.5
1½-1½-2½	1½"	1½"	2½"	70 cm	14 cm	8.5

Equipped with standard nozzle:

TYPE	Suction Capacity	Required driving pressure against various discharge heads:					Nozzle Size
		5 m	10 m	15 m	20 m	25 m	
1-1-1½	3 m³/h	5.0 bar	6.5 bar	8.0 bar	9.5 bar	11.0 bar	6.4 mm
1¼-1¼-2	6 m³/h	5.0 bar	6.5 bar	8.0 bar	9.5 bar	11.0 bar	8.5 mm
1½-1½-2½	9 m³/h	5.0 bar	6.5 bar	8.0 bar	9.5 bar	11.0 bar	11.1 mm

Equipped with low pressure nozzle:

TYPE	Suction Capacity	Required driving pressure against various discharge heads:					Nozzle Size
		5 m	10 m	15 m	20 m	25 m	
1-1-1½	2.5 m³/h	4.3 bar	5.6 bar	6.3 bar	8.1 bar	9.4 bar	7.0 mm
1¼-1¼-2	5.0 m³/h	4.3 bar	5.6 bar	6.3 bar	8.1 bar	9.4 bar	9.3 mm
1½-1½-2½	7.5 m³/h	4.3 bar	5.6 bar	6.3 bar	8.1 bar	9.4 bar	12.2 mm

The required pressures in the above tables are based on ejectors being used with 25 m discharge hose. If the hose is 10 m longer, the driving pressures should be increased by 0.5 bar.

During operation it is advisable to lower the ejectors as far as practically possible, as the capacity is reduced at suction heads higher than 1m. At 4.5 m suction head the capacity is 75%, and at 7.5 m suction head the ejector will pump only 50% of the above listed capacities. The driving water consumption is about twice the suction capacity.

TeamTec portable ejectors are used for stripping of liquid only and are not suitable for removal of solid particles.

For larger suction capacities, please refer to our brochure “Semi-Portable Ejectors”.

In addition to TeamTec portable ejectors it is essential to install permanently built-in units for heavier duties.

