

## Hydraulic connections

### Hydraulic connections on the DOP

Sets of hydraulic hoses for the DOP submersible dredge pump: standard length 20m can be provided. A set consist of three hydraulic hoses (Pressure, Return, Leak), provided with a quick coupling at each end.

Each hose provided with a male and a female Snap-tite quick couplings.

		DOP150	DOP200	DOP250	DOP350L	DOP350	DOP450L
Pressure	Female	1¼" 75C20-20RP	1½" 75C24-24RP	2" 75C32-32RP	2" 75C32-32RP	2" 75C32-32RP	2x 2" 75C32-32RP
Return	Male	1¼" 75N20-20RP	1½" 75N24-24RP	2" 75N32-32RP	2" 75N32-32RP	2" 75N32-32RP	2x 2" 75N32-32RP
Leak	Male	1" 75N16-16RP	1" 75N16-16RP	1" 75N16-16RP	1" 75N16-16RP	1" 75N16-16RP	1" 75N16-16RP
Working pressure	[bar]	250	250	250	250	250	250

### Hydraulic connections on the Cutter Unit

Sets of hydraulic hoses for the cutter unit: standard length 20m can be provided. A set consist of three hydraulic hoses (Pressure, Return, Leak), provided with a quick coupling at each end.

Each hose provided with a male and a female Snap-tite quick couplings.

		DOP150	DOP200	DOP250	DOP350L	DOP350	DOP450L
Pressure	Female	¾" 75C12-12RP	¾" 75C12-12RP	1" 75C16-16RP	1" 75C16-16RP	1" 75C16-16RP	1¼" 75C20-20RP
Return	Male	¾" 75N12-12RP	¾" 75N12-12RP	1" 75N16-16RP	1" 75N16-16RP	1" 75N16-16RP	1¼" 75N20-20RP
Leak	Male	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP
Working pressure	[bar]	250	250	250	250	250	250

The cutter unit can also be fed by the use of a flow divider. When a flow divider is installed on the DOP submersible dredge pump, no additional hoses and connections for the cutter unit are required.

The hoses of the cutter unit can be coupled directly on the hydraulic block of the DOP dredge pump and only the hydraulic hoses for the DOP pump are required.

### Hydraulic connections on the Auger Unit

Sets of hydraulic hoses for the auger unit: standard length 20m can be provided. A set consist of five hydraulic hoses (pressure, return, leak, cylinders), provided with a quick coupling at each end.

Each hose provided with a male and a female Snap-tite connection (except the hoses for the cylinders which are provided with a Stucchi connection).

		DOP150	DOP200	DOP250	DOP350L	DOP350	DOP450L
Pressure	Female	¾" 75C12-12RP	¾" 75C12-12RP	1" 75C16-16RP	1" 75C16-16RP	1" 75C16-16RP	1¼" 75C20-20RP
Return	Male	¾" 75N12-12RP	¾" 75N12-12RP	1" 75C16-16RP	1" 75C16-16RP	1" 75C16-16RP	1¼" 75C20-20RP
Leak	Male	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP	½" VHN8-8RP
Working pressure	[bar]	250	250	250	250	250	250

### Auger Cylinders:

		DOP150	DOP200	DOP250	DOP350L	DOP350	DOP450L
Connection #1	Female	F-VEP13P ½ BSP-A10	F-VEP13P ½ BSP-A10	F-VEP13P ½ BSP-A10	F-VEP13P ½ BSP-A10	F-VEP13P ½ BSP-A10	F-VEP13P ½ BSP-A10
Connection #2	Male	M-VEP13P ½ BSP-A10	M-VEP13P ½ BSP-A10	M-VEP13P ½ BSP-A10	M-VEP13P ½ BSP-A10	M-VEP13P ½ BSP-A10	M-VEP13P ½ BSP-A10
Working pressure	[bar]	200	200	200	200	200	200

