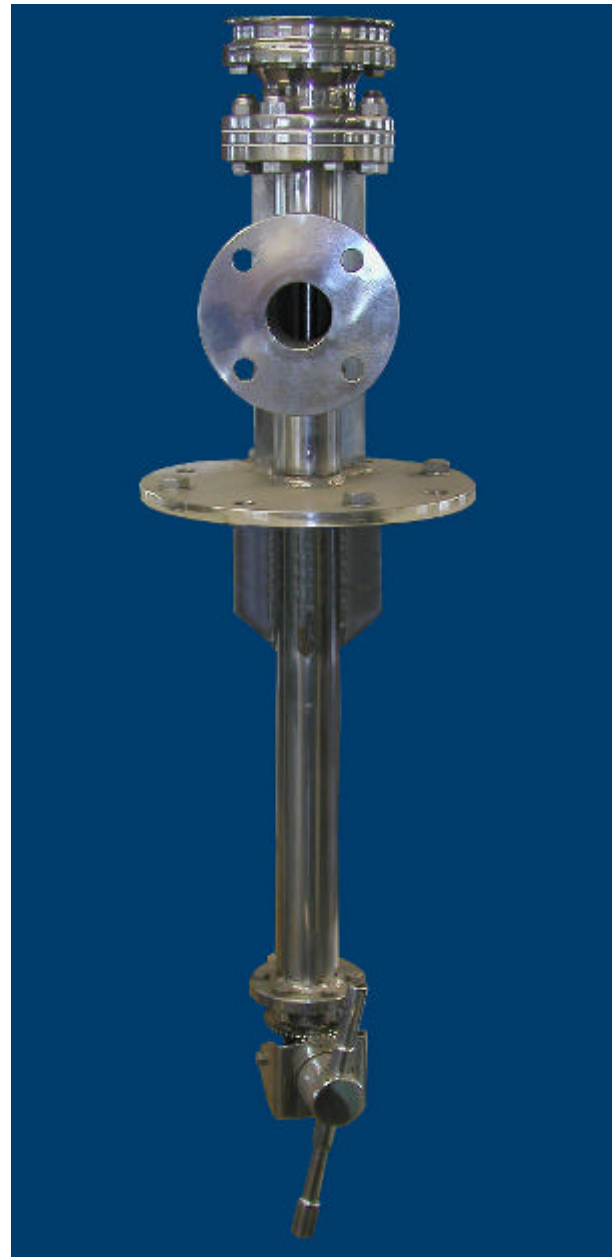


VP DUO-MATIC

TANK WASHING MACHINE

The VP Duo-matic twin-nozzle tank washing machine for fixed installations in product and chemical tankers.

- Progressive intensity wash.
- Stainless Steel 316L.
- Air drive.
- Open gearbox, no cargo contamination, self-draining.
- Deck-mounted.
- Crude oil or water wash.
- Low water consumption.
- Maintenance free below deck.



Performance Specification

Suitable for tank washing on chemical tankers, particularly those with fast interchange of cargoes as this machine is self-cleaning. Available as a single level or multi level machine.

Materials: Stainless Steel 316L.

Flanges: Inlet flange 50mm/DIN/BS/ASA/JIS. Deck flange designed to suit standard 318mm (10 or 12 studs) opening or built to vessel requirements.

1 / 2 VP-DUO-MATIC.PDF Issued JULY 02



Mounting: Single level machine on extension tube with cleaning head at bottom of extension tube, complete with deck flange, inlet bend, inlet flange and filter plate. All in Stainless Steel 316L. Shaft drive air variable speed motor. For multi-level machine, two, three or four nozzle heads on a single extension tube with each nozzle head rotating at different levels around the extension tube.

Design: Twin orbital nozzles with smooth jet flow. Non-turbine air drive. Variable speed with low water consumption. The cleaning head has open bevel gears, maintenance free, self draining and self cleaning. Body shroud fitted on multi-level units only.

Operation: Spherical wash with 'progressive intensity pattern' for pre-wash through to full wash (4 cycles).

Typical wash cycle: Cycle wash times can be varied by adjusting the speed of the drive motor.

Nozzles: Sizes from 4mm to 22mm. Performance data (twin nozzle) below.

PERFORMANCE DATA																									
Ø NOZZLE SIZES	2 X 4 mm					2 X 6 mm					2 X 8 mm					2 X 10 mm					2 X 12 mm				
Pressure kg/cm ²	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12
Flowm ³ /hr	2.2	2.6	2.8	3.0	3.2	4.8	5.4	5.6	6.0	6.5	11.3	12.0	13.8	14.5	16.0	16.6	17.5	19.4	20.6	22.0	25	28	30	34	36
(1) Jet length - m(C.O.W.)	1.7	2.5	3.5	4.5	5.5	5.8	6.2	6.5	7.5	8.5	9.5	10.2	10.8	11.5	12.1	10.5	11.2	11.8	12.5	13.1	11	12	15	17	19
(2) Jet length - m (water)	7	8	9	10	11	12	13	14	15	16	15	17	19	21	23	16.1	18.5	20.7	22.8	24.7	17	20	23	26	29
Ø NOZZLE SIZES	2 X 16 mm					2 X 18 mm					2 X 20 mm					2 X 22 mm									
Pressure kg/cm ²	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12	4	6	8	10	12					
Flowm ³ /hr	31	42	50	58	64	43	53	60	70	76	54	64	72	84	92	65	76	88	96	102					
(1) Jet length - m(C.O.W.)	12	14	17	19	21	13	16	19	21	23	17	20	22	24	26	18	21	23	26	28					
(2) Jet length - m (water)	22	26	30	34	38	26	29	32	35	38	28	31	34	37	40	31	34	37	40	42					

(1) Jet – (C.O.W.) = Classification society approved length of wash jet with maximum solid effect (all nozzles operating)

(2) Jet – (Water) – Maximum length of wash jet – horizontal throw (all nozzles operating)

