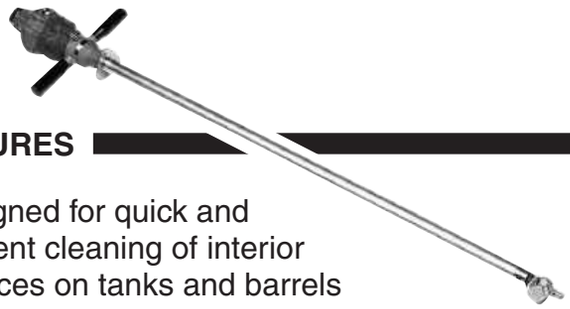
GENERAL PUMP *A member of the Interpump Group*

MI63

Self-Rotating Tank Cleaning Head



FEATURES

- Designed for quick and efficient cleaning of interior surfaces on tanks and barrels
- Small spray turret fits through most barrel and tank access ports
- Complete orbital coverage of all interior surfaces
- Rotating speed independent from supply water temperature
- Stainless steel construction with built-in inlet filter for trouble-free operation
- Suitable for utilization in the food industry
- Self-powered by high pressure cleaning fluid

SPECIFICATIONS

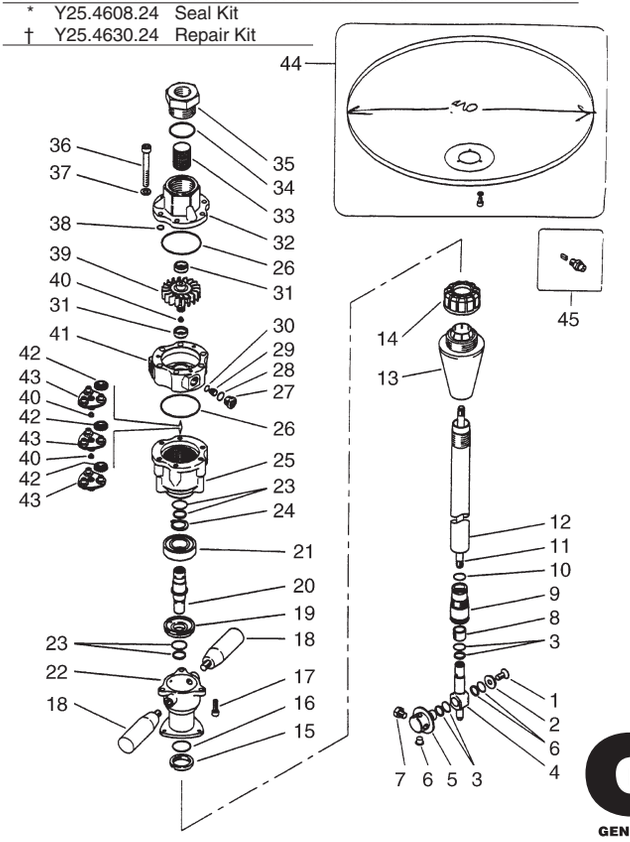
Part Number	Y25460000
Rated Pressure	2000 PSI
Flow Rate	5–21 GPM
Maximum Fluid Temperature	194°F
Main Axis Rotating Speed	5–18 RPM
Inlet Filter	38 mesh
Inlet Port	1/2" BSPP
Nozzle Ports (2 or 4)	1/8" NPT
Minimum Tank Opening	2.5"
Weight	14.8 lbs.
Dimensions	47.0" x 2.0"

PARTS LIST

Y25.4600.20 MI63 Self-Rotating Tank Cleaning Head 50 (1/8)
Y25.4500.24 MI63 Self-Rotating Tank Cleaning Head 45 (M4)

Item	Part Number	Description	Kit	Qty.
1	Y16.1954.12	S.S. M8x12 mm Screw		1
2	Y80.0015.51	S.S. Washer, 8.5 mm		1
3	Y10.2030.00	Seal, Retaining Ring	*	3
4	Y80.0005.52	S.S. Housing, M10		1
5	Y15.3710.18	1/8" Plastic Plug		2
	Y15.3704.00	M4 Plastic Plug		
6	Y80.0014.51	Z=57 M8 1/8 Gear		1
	Y80.0016.51	S.S. Gear, z:57-M4		
7	Y15.3711.18	S.S. 1/8 NPT Plug		2
	Y16.1830.00	S.S. M4 Screw		
8	Y80.0009.85	Bushing	†	1
9	Y80.0007.51	Z:34 Gear		1
10	Y10.3184.10	O-ring, 2.62 x 18.72 mm, Viton	*	1
11	Y80.0003.56	S.S. Tube, M10 x 894 L		1
12	Y80.0052.56	S.S. M28-895 mm Tube		1
13	Y80.0021.84	Tapered 70 mm Plug		1
14	Y80.0316.84	Plastic Nut		1
15	Y80.0012.51	S.S. M28 mm Nut, Lock Ring		1
16	Y80.0002.51	S.S. Shaft		1
17	Y10.3205.10	O-ring, 2.62 x 26.64 mm, Viton	*	1
18	Y80.0051.52	S.S. Adapter, Coupling		1
19	Y16.1870.02	S.S. M5 x 12 mm Screw		3
20	Y11.4412.28	S.S. 12 x 28 x 8 mm Bearing	†	1
21	Y10.1011.05	S.S. 28 mm Snap Ring, Ring Seal	†	1
22	Y80.0231.52	S.S. Gear, Housing, Gear Box		
23	Y10.2030.18	Seal, Retaining Ring	*	
24	Y10.1020.05	S.S. Elastic Ring, 20 mm, Ring Seal	†	
25	Y80.0207.52	S.S. Gear, Housing, Gear Box		
26	Y10.3080.58	O-ring, 1.78 x 56.87 mm, Viton	*	
27	Y80.0219.51	S.S. Plug, M14, Screw, Retaining, M14 x 1		
28	Y10.3060.10	O-ring, 1.78 x 12.42 mm	*	3
29	Y80.0221.51	S.S. Internal Injector, Impeller Nozzle, 2 mm		3
	Y80.0222.51	S.S. Internal Injector, Impeller Nozzle, 3 mm		
	Y80.0223.51	S.S. Internal Injector, Impeller Nozzle, 4 mm		
	Y80.0224.51	S.S. Internal Injector, Impeller Nozzle, 5 mm		
	Y80.0225.51	S.S. Internal Injector, Impeller Nozzle, 6 mm		
	Y80.0226.51	S.S. Internal Injector, Impeller Nozzle, 7 mm		
30	Y10.3003.00	O-ring, 1 x 8 mm	*	3
31	Y80.0212.84	Bushing	†	2
32	Y80.0201.52	S.S. Manifold, Collar		1
33	Y28.0014.53	S.S. Net, 38 Mesh, Filter		1
34	Y10.3208.36	O-ring, 2.62 x 36.17 mm, Viton	*	1
35	Y80.0217.51	S.S. Coupling, Inlet Fitting		1
36	Y16.1955.60	S.S. Tcei M8 x 60 mm Screw		6

Item	Part Number	Description	Kit	Qty.
37	Y14.3573.00	S.S. 8.4 mm Washer		6
38	Y10.3109.93	O-ring, 2.4 x 8.3 mm	*	3
39	Y80.0203.52	Impeller, Ai304		1
40	Y80.0213.84	Bushing, Ø7 mm	†	3
41	Y80.0202.52	S.S. Z:50 Gear, Housing Impeller		1
42	Y80.0204.38	Z.10 Gear	†	9
43	Y80.0205.00	Planet Gear Holder		3
44	Y80.0044.00	Cover		1
45	Y16.1363.xx	S.S. Nozzle+Fan 1/8 M 0.0xx		2-4
*	Y25.4608.24	Seal Kit		
†	Y25.4630.24	Repair Kit		



GENERAL PUMP

Distribution et conseil : GEDO FRANCE
04 85 88 02 75 | tete@gedo.fr | tetelavage.gedo.fr
565 avenue du Prado - 13008 Marseille - France

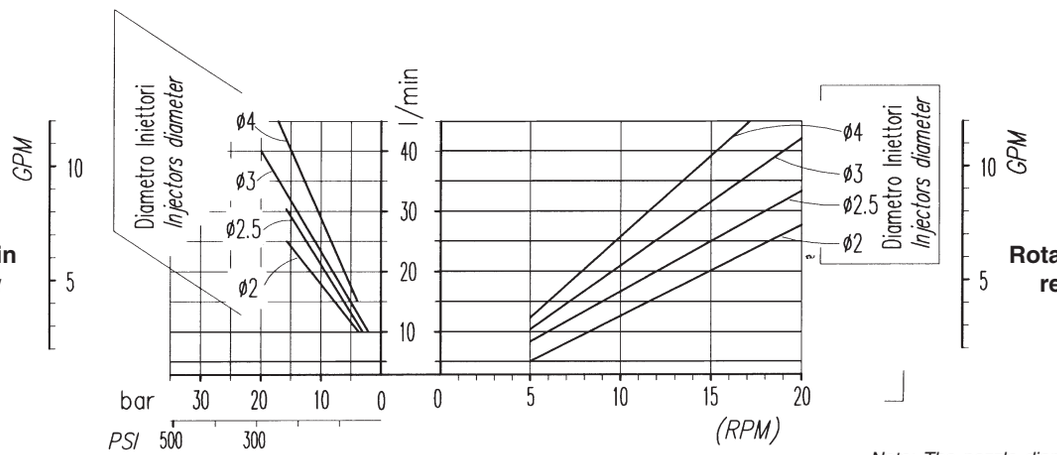
OPERATION

The rotation of the head is made by a hydrokinetic unit formed by a turbine, driven by 3 nozzles, and an epicycloidal reduction gear, utilizing the same water that will do the washing.

The rotating frequency can be adjusted, within the value expressed in the technical specification, by varying the diameter of the bore of the 3 internal nozzles of the hydrokinetic unit, and is always proportional to the flow as shown on the diagram below.

Changes in pressure (at a constant delivery rate) or water temperature will not modify the rotation speed.

Pressure loss in relation to flow



Rotation speed in relation to flow

Note: The nozzle diameters referenced in this graph are for the internal nozzles that direct the flow to drive the turbine.

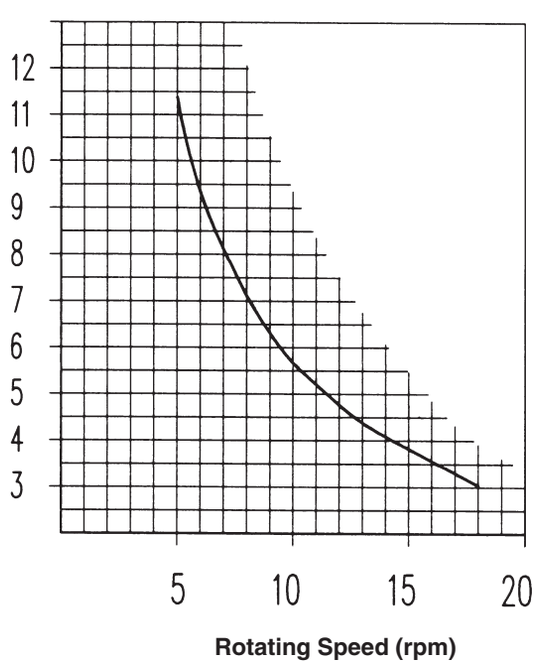
CYCLE TIME

A complete washing cycle is made after 58 revolutions. This is the point at which the jets have covered a complete sphere and returned to the starting point.

For optimum washing, 3 complete cycles are advised.

The time required for one complete cycle can be drawn from the following chart.

Time (minutes)



Rotating Speed (rpm)

GENERAL PUMP 1174 NORTHLAND DRIVE • MENDOTA HEIGHTS, MN 55120

PHONE: (651)454-6500 • FAX: (651)454-4524 • e-mail: sales@gpcompanies.com • www.generalpump.com

300151 Rev. B
8-00

GENERAL PUMP

GEDO

Distribution et conseil : GEDO FRANCE

04 85 88 02 75 | tete@gedo.fr | tetelavage.gedo.fr

565 avenue du Prado - 13008 Marseille - France