

Marconaflo® Slurry Systems

M A K I N G S L U R R Y P R A C T I C A L

Traditionally, slurry technology has focused on long distance pipeline transportation of suspended solids. Yet, the rising cost of conventional materials handling over even the shortest distances, has prompted consideration of every alternative. One of the most logical is slurry. Marconaflo makes it practical.

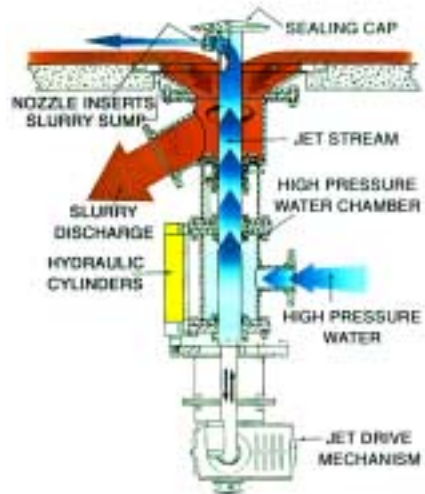
Marconaflo Systems are designed to efficiently and economically pulp either dry or wet solids, converting them to a suitable form for slurry transport. In every case in which they have been applied; the range of applications being extremely broad, Marconaflo Systems use less labor and power per ton of material moved than conventional handling systems. They are also simpler and easier to maintain.

Marconaflo Systems currently handles the following materials:
**Coal • Ore • Tailings • Uranium • Ilmenite • Potash • Sand • Silt • Sludge
 Slimes • Mineral Concentrates (Iron and nickel)**

Marconaflo Systems is suitable for the following containments:
**Landfill • Ponds • Excavations • Reservoirs • Lakes • Tanks • Bins
 Bunkers • Silos • Ships • Barges**

At the heart of the Marconaflo Systems is the MARCONAJET®, which generates a concentrated, high intensity water stream to undercut stored solids; causing them to collapse into a stream and form a high-density slurry. The jet is effective whether the materials are deposited dry; or as a slurry, exist in place as an unconsolidated overburden; lie compacted in a tank or basin, or even lie submerged as a settled mass.

Flexibility allows Marconaflo Slurry Systems to be used in place of thickeners, agitated storage vessels or other conventional labor-intensive materials handling methods at substantial savings.



MJ-04

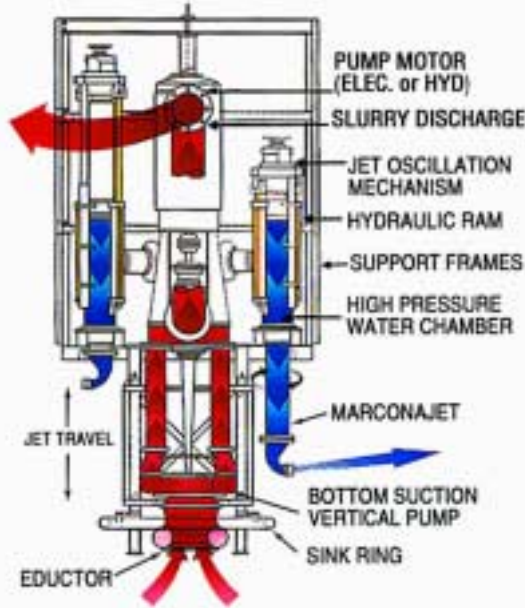
MARCONAJET® SELF-SEALING

GENERAL SPECIFICATIONS			
Size	MJ-04	MJ-08	MJ-14
Height/ft.	8	10	21
Weight/lbs.	2,500	5,000	12,000
Nom. slurry cap. range/GPM	500-1400	1300-4000	3000-8000
High pressure water/GPM	270-700	600-2000	1800-6000
High pressure water HP/Based on 250 PSI	75-150	125-450	400-1250
Short tons per hour/STPH	90-260	240-550	530-1450





DYNAJET®
CANTILEVERED SHAFT
 HASTELLOY constructed
 unit shown



DYNAJET®
SUBMERSIBLE
 With hydraulic power unit and
 density control system

GENERAL SPECIFICATIONS

Size	DJ-03	DJ-04	DJ-05	DJ-06	DJ-08	DJ-10	DJ-12	DJ-14
Height/ft.	6	7	9	11	14	16	19	22
Weight/lbs.	2,500	6,000	7,000	10,000	13,000	15,000	22,000	28,000
Nom. slurry cap. range/GPM	200-350	300-450	350-700	600-1500	1200-2200	1500-2500	2000-4000	3000-5000
Total discharge range in ft./ of water	40-120	40-120	40-120	40-120	40-120	40-120	40-120	40-120
High pressure water in GPM	100-250	100-350	250-500	400-1000	700-1500	1000-2000	1500-3000	2000-4000
DYNAJET® slurry/HP	15-30	20-40	25-50	50-100	75-100	100-200	150-350	250-500
High pressure water HP Based on 250 PSI	25-75	25-100	50-125	100-250	200-350	250-500	350-750	500-1000
Short tons per hour/STPH	25-65	35-80	60-100	125-260	200-390	260-440	350-700	550-1100



Metso Minerals, Inc.
 350 Railroad St. • Danville, PA 17821-2046
 800-332-1327 • Fax: 570-275-6789
www.metsominerals.com