

Mactenn Systems Ltd.

Unit 6, Bull Lane Industrial Estate
Acton, Sudbury, Suffolk CO10 0BD, UK
Tel: +44 (0) 1787 882 422
sales@mactenn.com
www.mactenn.com

Macawber China Ltd.

Suite 901, 145 PuJian Rd.
Pudong, Shanghai 200127, China
Tel: +86 (0) 21 6875 1377
macawber@macawber.com.cn
www.macawber.com.cn

Macawber Engineering Systems

India Pvt. Ltd.

130-131, Hindustan Kohinoor Complex,
LBS Rd., Vikhroli, Mumbai 400083, India
Tel: +91 22 2577 2047
response@macawberindia.com
www.macawberindia.com

PDL Sistemas, Brazil

Av. Pedro Lessa, 1.064/31 - Aparecida
11025-000, Santos, Sao Paulo , Brazil
Tel: +55 13 3278 3380
pdl@pdl.com.br
www.pdl.com.br



Sandpump®

the low velocity, dense phase pneumatic
conveyor for sand



Macawber Engineering, Inc.

advanced pneumatic conveying systems
controlled rate injection systems
inflatable seat valves

1829 Clydesdale Street, Maryville, TN 37801, USA
Tel: 800.433.2213 · +1 865.984.5286

www.macawber.com · webinquiry@macawber.com
www.domevalve.com · customer.support@macawber.com



ISO 9001
COMPLIANT

Research · Testing · Design · Engineering · Manufacturing · Installation

Service Worldwide Since 1977

The Sandpump® Solution

- Specifically designed to convey sand
- Compact in design and low-profile
- Low energy cost per ton moved
- Reduced pipe and bend wear
- Low maintenance, reliable equipment

Sandpump®

advanced features



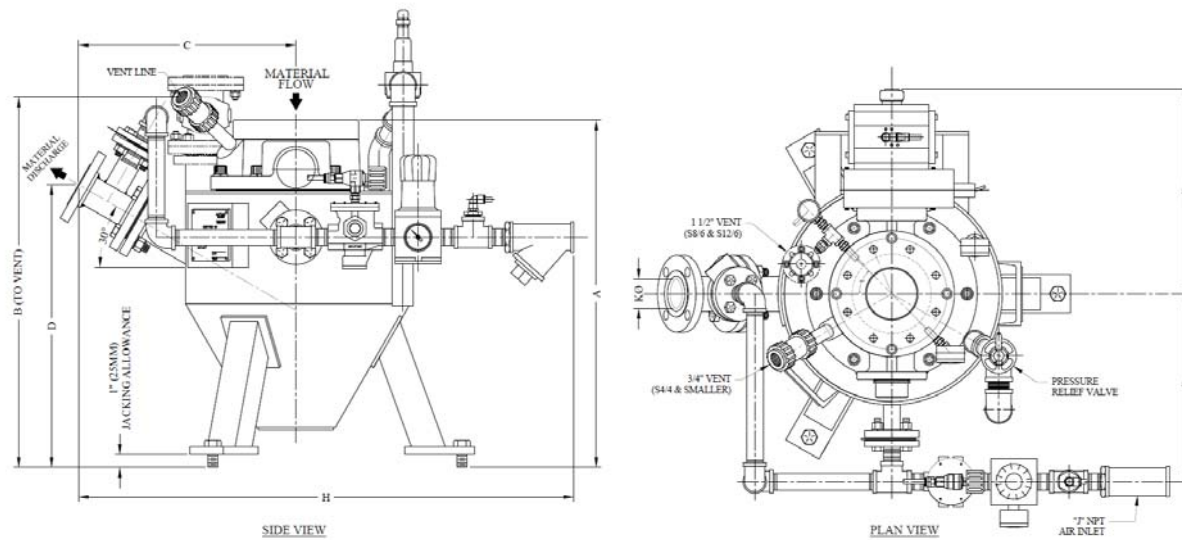
macawber – sandpump®

The Sandpump® is a low velocity dense phase pneumatic conveying system specifically designed for the foundry industry for the purpose of conveying sand, silica sand, reclaimed silica sand, and ceramic beads commonly found in the casting and foundry industries.

Compact in design and low-profile, the Sandpump® has the ability to be positioned below shakeout tables and reclaimers for a seamless integration into existing process layouts. Fitted with our robust Dome Valve® its unique design provides efficiencies in wear reduction, air consumption, and reduce maintenance downtime.

key features

- The most efficient/economical way to move sand with low air consumption
- Extreme operating reliability
- Small machine height makes the Sandpump® ideal for retrofits or installations where space is limited
- Dust free, enclosed pneumatic conveying ensures an environmentally conscious way to convey sand
- Simple setup, operation and low maintenance
- Proven track record with thousands of Sandpumps® in operation worldwide, some in operation for over 30 years

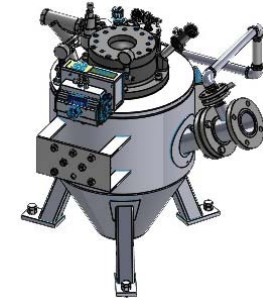


MODEL	DIMENSIONS (INCH)										NET WT (LBS)
	A	B	C	D	E	F	G	H	J	K	
S2/4-2	27-1/16"	30 5/8"	17"	22-1/16"	16"	14-5/8"	4"	36-3/4"	1-1/2"	2"	318
S3/4-3	34-3/16"	37 3/4"	20-3/16"	26-3/16"	15-15/16"	16-1/4"	4"	41-15/16"	1-1/2"	3"	417
S4/4-4	40-1/8"	43 11/16"	23-5/16"	32"	16-7/8"	18-3/8"	4"	42-5/8"	1-1/2"	4"	610
S8/6-5	46 7/16"	49-11/16"	28-3/8"	37-1/8"	20-1/16"	21-9/16"	6"	54-1/2"	2"	5"	925
S12/6-6	57-15/16"	61-3/16"	28-9/16"	38-3/4"	20-1/2"	22-3/16"	6"	54-11/16"	2"	6"	945

information not certified for installation purposes

Sandpump®

advanced features



specifications

- Temperature rating up to ≤ 650°F (343°C). Higher temperature ratings available.
- Standard pressure rating up to 100 psig. Higher pressure ratings available.
- Standard material 516 Gd70 carbon steel
- Available in 304/316 stainless steel, aluminum, galvanized, and others
- Industrial coatings such as Teflon®, tungsten carbide, nickel, and others

quality and support

- Fully assembled and tested prior to shipment
- Global customer support for service and spare parts
- Manufactured in Maryville, TN USA
- ISO 9001:2015 Quality Assured
- ASME Section VIII Div. 1 Certified

dome valve® – the heart of the system

The Dome Valve® from the original designer, continuously improved for over 40 years.

- For applications where other valves fail
- The inflatable seal is not in contact with the closing member during opening and closing
- Closes and seals perfectly through most materials
- Operates effectively and reliably from 20 inHg vacuum to 630 psi pressure



The Macawber Sandpump® specifically designed to convey sand



Two S3/4-3 Sandpumps® for Sand



S3/4-3 Sandpump® for Silica Sand