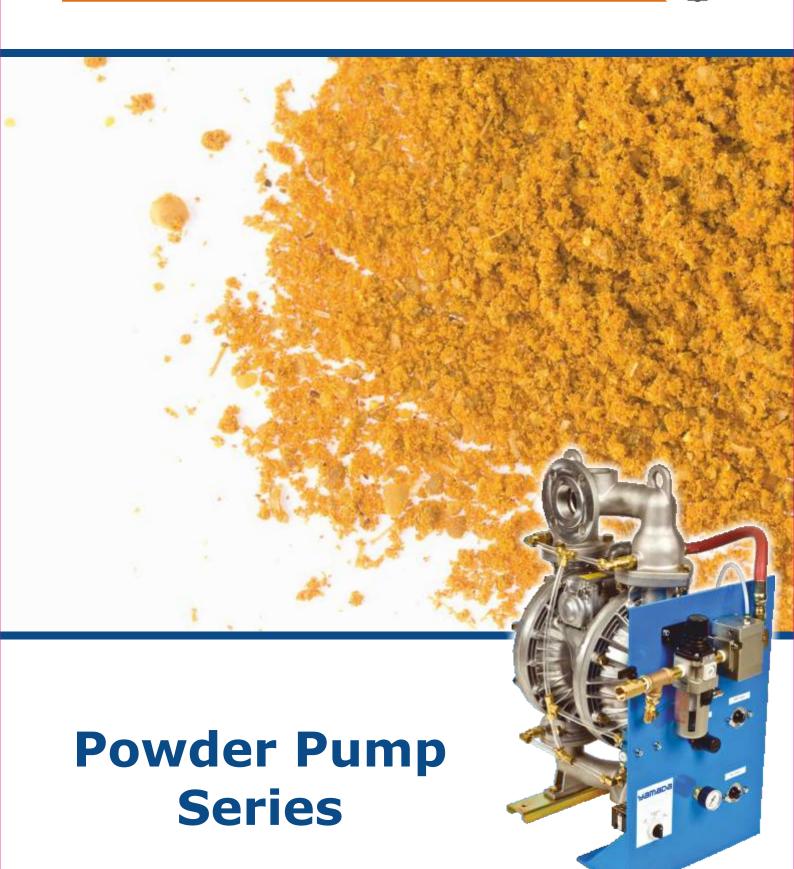
Hamada



Series BH-3



Yamada Powder Pumps are specifically designed to transfer bulk solids more effectively through your process. They are a cost effective replacement for augers and conveyors and eliminate unsafe and labor intensive means of moving bulk powders. These heavy duty pumps consistently transfer finegrained (100µm or finer), low bulk density (2 to 22 kg/m³), dry powders in a dust-free operation. Yamada offers a base unit especially for light powders.

□ FEATURES

- Conveying distance depends upon the micron size and the bulk density of the powder.
 For example fumed silica can be conveyed for 45 m while flour with a maximum of 12 m.
 Refer to the Yamada "pumpable powders" data sheet for specific materials.
- Powder must be 150 Mesh (106 microns) or smaller size particle / powder and dry. The pump will not pump crystals or flakes and the bulk density should be less than 22 kg/m³.
 The higher the bulk density, the shorter the conveying distance and the lower the flow rate.
- The pump can be located at a maximum of 4,5 m above powder source.
- Yamada recommends aeration / fluidization of the powder with a minimum of 10 to 15 seconds prior to starting the pump. By doing this, premature diaphragm, center shaft, and center disk failure can be avoided.
- Teflon® check balls are recommended for sticky powders.
- Yamada recommends regulating compressed air up to 5 Bar maximum.

	Air volume	Cubic meters
NDP-40	430 to 2550 L/min	4,0 m ³ /h
NDP-50	570 to 3000 L/min	6,0 m ³ /h
NDP-80	860 to 3450 L/min	12,0 m ³ /h

□ SPECIFICATIONS

Series BH-1:

- Available housings: Aluminium, 316 Stainless Steel, or Cast Iron
- 1-1/2" to 3" port sizes
- Available connections:
 - Aluminium: Combi connection, Flange with female NPT threaded connection
 - Stainless Steel: Flange connection
 - Cast Iron: Female NPT threaded connection
- Sweeping one piece manifolds
- Solid 316 Stainless Steel center shaft
- Patented non-lubricated, non-stalling air valve technology
- Bolted mating surfaces
- Portable
- Conveys up to 2 m³ per minute (3" model)
- Vacuum activated aeration valve mounted to suction manifold

Series BH-2: Including all above features plus:

 Compressed air induction system fluidizes all four check valves while the pump is operating

Series BH-3: Including all above features plus:

- Independent port for inert gas fluidization rather than compressed air
- Delay timer to begin fluidizing check valves
 1-60 seconds prior to the pump starting and
 1-60 seconds after the pump stops

Optional Extras:

- Reinforced stainless centre rod
- Reinforced centre disc
- FDA compliant version
- Static discharge wire

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