

MEYCO PICCOLA

ALL-PURPOSE ROTARY GUN



The genuine Meyco® Piccola is known around the world. Built by Allentown to the Swiss design, the Piccola is a shotcreting machine for processing dry mix using the through-chamber rotor principle. It is versatile, robust, requires little maintenance, and is very easy to operate.

The Piccola, with a half-rotor and 1" hose, is useful for small patches and thin linings. With the full 12 pie-shaped hole rotor and 2" hose, it can shoot up to 6 cubic yards per hour. Its standard 1½" hookup is used widely in shotcrete and refractory work.

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THE ONLY NAME YOU NEED TO KNOW FOR SHOTCRETE

GRH-610 ROTARY GUN

VERSATILE, RUGGED, EASY TO OPERATE



Allentown's GRH-610 Rotary Gun is similar to the Meyco Piccola, sharing the same single point clamping system. The use of a compact, efficient, hydrostatic transmission drive gives precise rotor speed with electric, diesel, or gasoline engine power.

Both the GRH-610 and Meyco Piccola rotary guns are excellent choices for any dry process shotcrete or refractory application. With the proper choice of rotor, hose, nozzle, and air compressor, they will do thin linings and small patchwork up to production gunning.

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Operating Principle

Material is loaded into the hopper where a stirring spider agitates and pushes it into the rotor. The rotor turns between,

and is sealed by the top and bottom rubber washers, allowing material to be discharged when compressed air is introduced over the outlet.



The GRH and the Piccola fit perfectly under an Allentown Predampener. When using prebagged material, predampening is recommended for the highest quality in-place application and reduction of dust at the gun and nozzle.

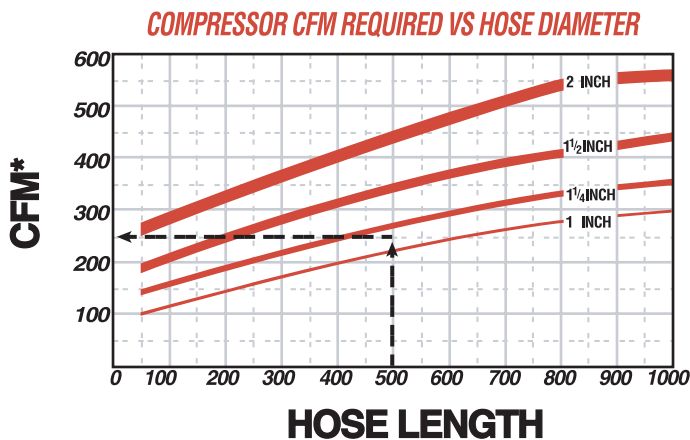
Air Requirements

The air line from the air supply to the gun should be at least 1½ inch. For maximum gunning rate, or where the gun is positioned some distance from the source, it should be 2 inch.

The compressor volume output required to convey a mix through a horizontal hose length can be determined by a reference to the chart.

The compressor cfm requirement is determined by selecting the length of hose required, then reading vertically to the curve for the applicable hose diameter. From the intersection read across to the compressor cfm required.

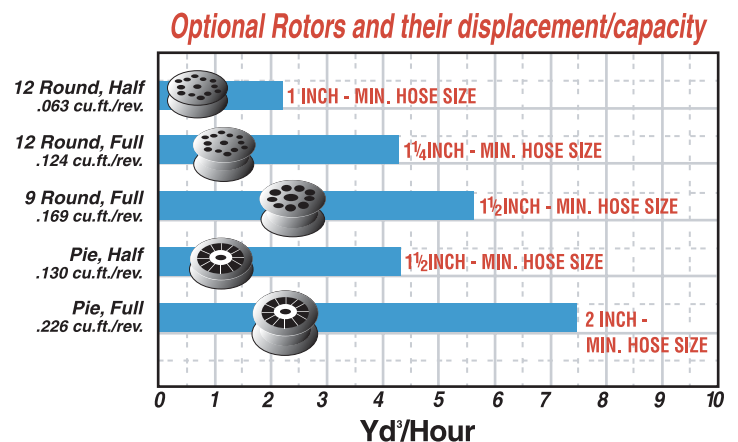
*NOTE: If the rotary gun is powered by an air motor an additional 150 cfm will be required by the air motor.



Primary wear parts consist of top and bottom rubber washers, top and bottom steel friction disks — all can be reground.

Rotors

The chart below illustrates the five optional rotors and their displacement/capacity based on rotor speed of 15 rpm and full fillage.



MEYCO PICCOLA

Specifications

Output:	1-6 yd ³ (.76 - 4.59 m ³) per hour based on type of rotor and speed, material, conveying distance and air available
Distance:	1000'+ horizontal (305 m+ horizontal) 200'+ vertical (61 m+ vertical)
Air Requirements: (see chart inside)	100-300 cfm with electric drive 250-600 cfm with air motor drive
Rotor Speed:	10-14 rpm optimum
Weight:	800 lbs. (363 kg)
Dimensions:	51"l x 32"w x 48"h (with flat hopper) (130 cm l x 81 cm w x 122 cm h)



Options for Piccola & GRH-610

Power:	<ul style="list-style-type: none">• Air Motor• Single-speed electric motor• 2-speed electric motor• Variable speed electric motor• Gasoline engine• Diesel engine• No power (rig mounted)
Rotor:	<ul style="list-style-type: none">• 12 round-hole• 9 round-hole• 12 pie-shaped-hole• Half 12 round-hole• Half 12 pie-shaped-hole
Hopper:	<ul style="list-style-type: none">• Flat with bag breaker and screen (standard)• Slanted hopper with screen
Outlet:	<ul style="list-style-type: none">• 1" (25 mm), 1 1/4" (32 mm) with half-rotor, 1 1/2" (38 mm) standard, 2" (50 mm) with full rotor
Mounting:	<ul style="list-style-type: none">• Rubber tires (standard)• Rig• Skid
Special:	<ul style="list-style-type: none">• Hopper modifications for gunning "plastic" refractory• Water booster pump (GRH only)• Dust suppression system• Vibrator

We stock a complete range of high-quality hoses, nozzles, and special accessories, for every application.

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Distance:	1000'+ horizontal (305 m+ horizontal) 200'+ vertical (61 m+ vertical)
Air Requirements: (see chart inside)	100-300 cfm with electric drive 250-600-cfm with air motor drive
Rotor Speed:	10-14 rpm optimum
Weight:	1100 lbs. (499 kg)
Dimensions:	65"l x 33"w x 52"h (with flat hopper) (165 cm l x 84 cm w x 132 cm h)