

RICOH MH2420

With excellent durability enabled by its stainless steel construction and support for a broad range of inks, this inkjet print head supports a diverse range of applications.



Excellent durability and extended service life

Ricoh's inkjet print heads are made of stainless steel. These heads are highly robust and offer excellent anti-corrosion properties for multiple inks, resulting in excellent durability and extended service life.

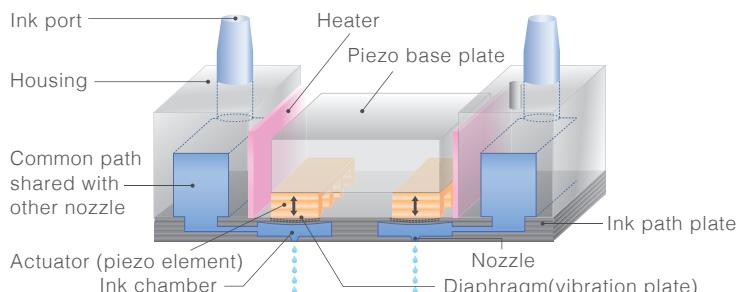
Support for different inks

With its built-in heater, these heads are capable of jetting high-viscosity inks. Additionally, the ink path is isolated from the actuator (piezo elements), i.e. no ink contact.

Variable drop volume capability

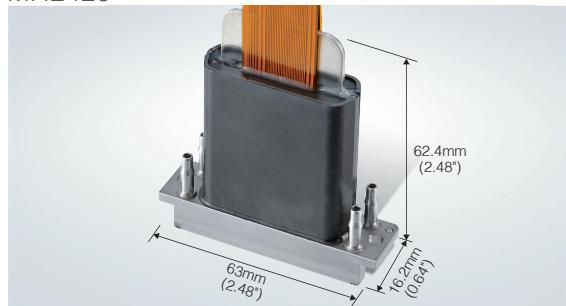
The multi-drop capability allows the creation of a range of drop sizes enabling grey-scale printing.

Ricoh inkjet head construction and configuration image



Standard inkjet head with excellent durability, extended service life, and excellent support for different inks

MH2420



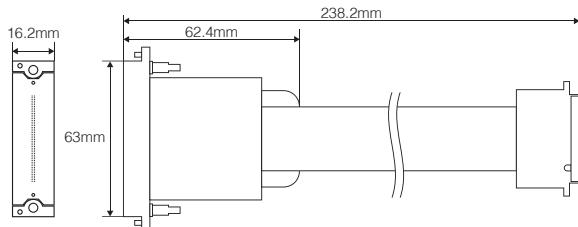
	MH2420
Method	Piston pusher with metallic diaphragm plate
Print Width	32.4 mm(1.28")
Number of nozzles	384 (2 x 192 channels), staggered
Nozzle spacing (Within a row)	1/150"(0.1693 mm)/row
Nozzle spacing (Row to row distance)	0.529 mm
Compatible ink	UV, Solvent, Aqueous, Others.
Total printhead dimensions	63(W) x 62.4(D) x 16.2(H) mm (2.48" x 2.48" x 0.64") excluding cables
Weight	73 g
Max.number of color inks	2 colors
Operating temperature range	Up to 60°C
Temperature control	Integrated heater and thermistor
Jetting frequency	Binary mode : 30kHz / Grey-scale mode : 20kHz
Drop volume	Binary mode : 7pl / Grey-scale mode : 7-35pl *depending on the ink
Viscosity range	10-12 mPa·s
Surface tension	28-35mN/m
Grey-scale	4 levels
Total Length	238.2 mm (standard) including cables
Ink port	Yes (standard) / No (optional)
Number of ink ports	2 x dual
Alignment pin direction	Front (standard) / Back (optional)

* Results obtained from continuous jetting test using standard Ricoh test ink.

■ Nozzle



■ External dimensions



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