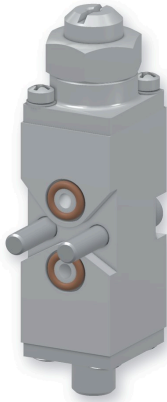


H200 Standard AOSC Module, Ball and Seat (Filtered, 100 Mesh)

H200 ball and seat module, Air Open Spring Closed (AOSC), with a 100 mesh internal filter just ahead of the nozzle. Replaces Nordson 1052925 in H200 guns.

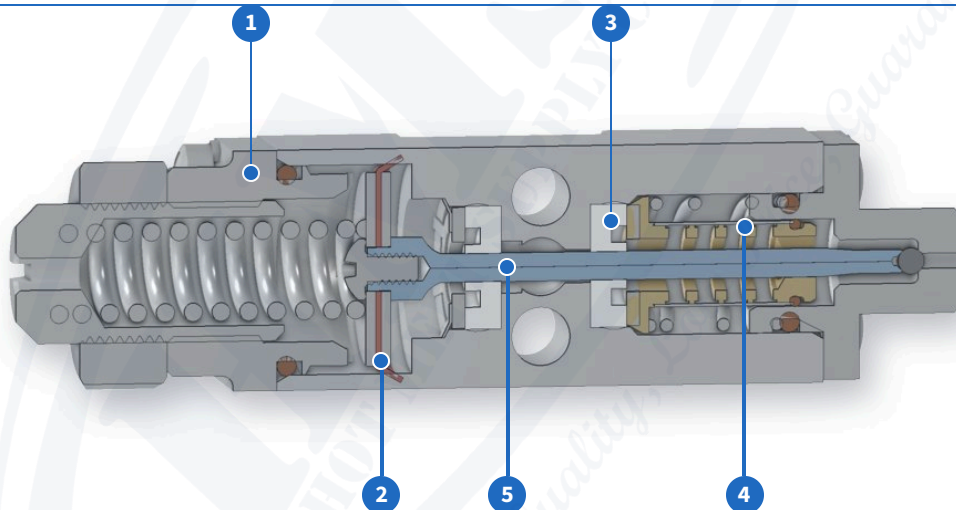


Shown from the back (mounting face): 2 ports

Specifications

Replaces Nordson	1052925
Module family	H200 ball and seat (filtered)
Fits	H200 guns
Actuation	Air Open Spring Closed (AOSC)
Shut off	Carbide ball on a seat
Orifice	Set by the nozzle
Filter	Internal, 100 mesh
Nozzle material	Brass (yellow)
Ports on the back	2 (hot melt, air open)
Air cap	Adjustable, slotted screw and lock nut

Construction and features



Cutaway of the H200 ball and seat (filtered) AOSC module. Needle shown in blue. Numbers match the features below.

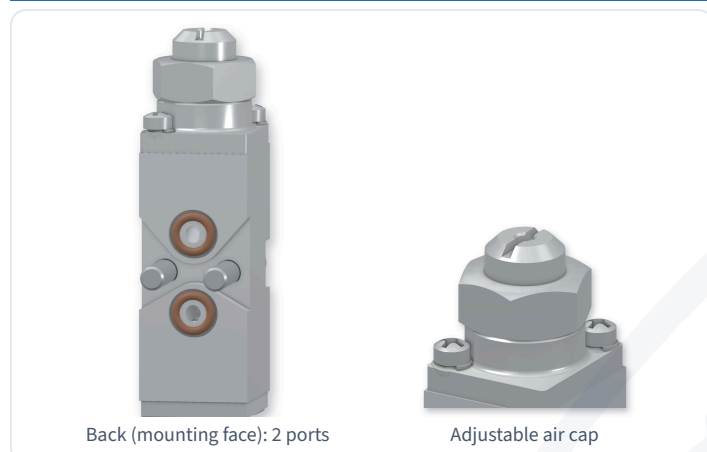
- 1 Stroke limiting air cap.** The air cap limits needle stroke. Less travel means less wear on the needle and seals.
- 2 Rulon air piston seals.** Rulon seals on the air piston.
- 3 PTFE spring seals.** Spring loaded PTFE seals in every module.
- 4 Pressure reduction system.** Our proprietary brass internal filter lowers the pressure on the hydraulic seal.
- 5 NiOx coated needle.** Coated for a smoother surface and longer life.
- 100 mesh filtration.** A 100 mesh filter sits just ahead of the nozzle and catches char and debris before it can plug the orifice.
- Swiss CNC machined.** Components are cut on Swiss CNC machines for precision and finish.





H200 Standard AOSC Module, Ball and Seat (Filtered, 100 Mesh)

Air type: Air Open Spring Closed (AOSC)



- Two ports on the back: hot melt and air open. There is no air close port.
- Adjustable air cap: slotted adjusting screw on top, and a lock nut holds the adjustment.
- Air opens the module and a spring closes it. The adjusting screw sets spring force.
- Quick tell with the module installed: a hex lock nut and slotted screw on top means AOSC. A plain round cap means AOAC.

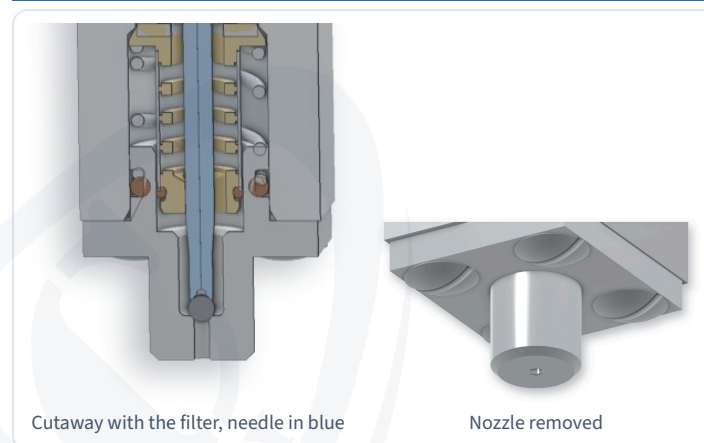
Minimum applicator air pressure

To operate at this hydraulic pressure	Minimum applicator air
550 to 1,300 psi (38 to 90 bar)*	55 psi (3.8 bar)*
400 to 1,300 psi (28 to 90 bar)	65 psi (4.5 bar)
250 to 1,300 psi (17 to 90 bar)	75 psi (5.2 bar)

*HMSC factory setting. 60 psi (4.1 bar) is the nominal standard solenoid air pressure.

Set the applicator air at or above the minimum for your hydraulic pressure. Too little air pressure can keep the module from opening fully.

Needle style: Standard (ball and seat)



- With the nozzle off, no needle is visible. You see only the seat face and its small outlet hole.
- A carbide ball on the needle closes against a seat inside the module.
- Nozzles are brass (yellow color).

How we build and test every module

- 1 **Precision machined.** All machined components are made in an ISO 9001 certified machine shop and fully dimensionally inspected.
- 2 **Hand assembled.** Every module is assembled by hand, following our shop assembly procedure.
- 3 **Opening pressure test.** Every module is tested to make sure it opens at the minimum opening pressure.
- 4 **Functionality and flow test.** Our proprietary testing process checks that each module operates at high speed and fully opens and closes.
- 5 **Complete seal test.** A final proprietary test makes sure the module seals completely when closed.

Safety. Modules run at melt temperature and hold hydraulic and air pressure. Before removing a module or nozzle, relieve system pressure, shut off air to the gun and use heat resistant gloves and eye protection.

Related modules

[T10F29B5S-F200 \(200 mesh\)](#)[HMS-M-1052925 \(entry level, AOSC\)](#)[HMS-M-1052927 \(entry level, AOAC\)](#)