

NORTH AMERICAN FRL CATALOG > Release 8.2

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Take-Off Blocks, (Distribution-Block) Series MC

Ports 1/4", (3/8"), 1/2" NPTF
Modular, with or without internal Check-Valve

The take-off blocks when equipped with a check-valve, allow the use of non lubricated air from the vertical outlets if inserted between the regulator and the lubricator. Otherwise, the check-valve prevents downstream lubrication from siphoning back upstream where non-lube components may be required.

If mounted as last component in a completed assembly, the distribution block requires the use of end-plates since its main horizontal flow path ports are non-threaded. Meaning, no direct threaded components can be assembled in the left-to-right flow path. ONLY end-plates can be used, unless otherwise in the middle of a typical FRL assembly.



MODULAR FRL SERIES MC

TECHNICAL SPECIFICATIONS

| | | | |
|-----------------------|---|------|---|
| Construction | modular, compact, diaphragm type with or without internal VNR check-valve | | |
| Materials | Body - Aluminum, Seals - Buna-N, internals in brass | | |
| Ports | NPTF | 1/4" | 1/2" (3/8" assemblies utilize the larger 1/2" model) |
| Weight | lbs | .511 | .836 |
| Outlet ports | NPTF | 1/4" | 1/2", (Threaded outlet ports only, along vertical axis. Horizontal flow-path ports are un-threaded and require assembly within an existing assembly or terminal end-plates kits.) |
| Mounting | in-line wall or panel mounting (in any position) | | |
| Operating temperature | -5° C - 50° C, (23° F - 122° F), with Dew Point of air at least 2° C (4° F) below the min working temperature | | |
| Finish | enameled | | |

PNEUMATIC DATA

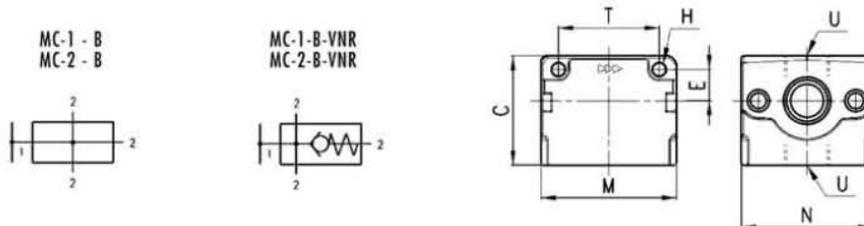
| | | |
|--|--------------------------|--|
| Operating pressure | 0 - 16 bar (0 - 235 psi) | |
| Nominal flow (determined at 87 psi with a pressure drop of 14.5 psi) | MC1-B = 144 SCFM; | MC1-B-VNR = 83 SCFM, (with VNR check-valve) |
| | MC2-B = 297 SCFM; | MC2-B-VNR = 198 SCFM, (with VNR check-valve) |

CODING EXAMPLE

| | | | | | | |
|----|---|---|---|---|-----|----|
| MC | 2 | - | B | - | VNR | TF |
|----|---|---|---|---|-----|----|

| | |
|------------|--|
| MC | SERIES |
| 2 | SIZE 1 = 1/4" outlets 2 = 1/2" outlets, (used on 3/8" models also) |
| B | B = take off block |
| VNR | OPTIONS "Blank" = standard VNR = with check valve built in |
| TF | PORT TF = NPTF Blank = BSPP thread ports |

Take off blocks Series MC



DIMENSIONS (in inches)

| Mod. | C | H | E | M | N | T | NPTF | |
|-----------|-------|------|------|-------|-------|-------|------|------|
| | | | | | | | U | size |
| MC1-B | 1.693 | .157 | .433 | 1.772 | 1.772 | 1.378 | 1/4" | 1 |
| MC1-B-VNR | 1.693 | .157 | .433 | 1.772 | 1.772 | 1.378 | 1/4" | 1 |
| MC2-B | 1.969 | .197 | .551 | 2.441 | 2.362 | 1.811 | 1/2" | 2 |
| MC2-B-VNR | 1.969 | .197 | .551 | 2.441 | 2.362 | 1.811 | 1/2" | 2 |