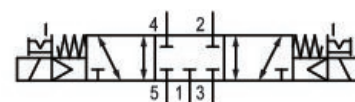


AVENTICS Series TC08 Directional valves

The AVENTICS Series TC08/TC15 includes a wide range of spool valves with housings made of high-performance polymers with robust and flexible metal inserts. It is designed for flow rate performances from 800 to 1500 l/min. These directional valves are easy to assemble, making them ideal for applications requiring the highest efficiency in limited spaces.



Datos técnicos

Sector	Industria
Accionamiento	eléctrico
Principio de conmutación	5/3, posición central cerrada
Función de válvula	posición central cerrada
Elemento de accionamiento	biestable
Principio de obturación	hermetizante suave
Norma conexión de aire comprimido	según ANSI B1.20.3
Conexión de aire comprimido entrada	1/8-27 NPTF
conexión de aire comprimido salida	1/8-27 NPTF
conexión de aire comprimido escape	1/8-27 NPTF
Conexión de aire comprimido pilotaje escape	M5
Caudal nominal Qn	700 l/min
Valor guía de caudal b	0.34
Valor guía de caudal C	3 l/(s*bar)
Presión de funcionamiento mín.	3 bar
Presión de funcionamiento máx.	10 bar

Válvula distribuidora 5/2, Serie TC08 - inch

R422101228

Serie TC08

2024-07-30

Presión de pilotaje mín.	3 bar
Presión de pilotaje máx.	10 bar
Conexión eléctrica tipo	Enchufe
Attacco elettrico tamaño	ISO 15217, forma C
Norma conexión eléctr.	ISO 15217
Tipo de protección con conexión	IP65
Tensión de servicio	12 V DC
Tensión de servicio DC	12 V
Tolerancia de tensión DC	-10 % / +10 %

Pilotaje	exterior
Anchura de válvula de pilotaje previo	15 mm
Consumo de potencia DC	1.9 W
Resistencia nominal	185 Ω

Duración de conexión	100 %
Tiempo de conexión típ.	14 ms
Tiempo de desconexión típ.	18 ms
Emisión perturbadora según	EN 50081-2:1993
Resistencia a interferencias según	EN 50082-2

Temperatura ambiente mín.	-10 °C
Temperatura ambiente máx.	50 °C
Temperatura del medio mín.	-10 °C
Temperatura del medio máx.	50 °C
Fluido	Aire comprimido
Contenido de aceite del aire comprimido mín.	0 mg/m ³
Contenido de aceite del aire comprimido máx.	5 mg/m ³
Tamaño de partículas máx.	50 μ m

Montaje en regleta de conexión en batería	Regleta P
Par de apriete del tornillo de fijación	2 Nm
Tolerancia de par de apriete	$\pm 0,2$ mT
Peso	0.14 kg

Material

Material carcasa	Poliamida reforzada con fibras de vidrio
Material juntas	Caucho de acrilnitrilo butadieno

Material casquillo roscado

Latón

Zinc fundido a presión

Material placa frontal

Poliamida reforzada con fibras de vidrio

N° de material

R422101228

Información técnica

La presión de pilotaje mín. debe alcanzarse, ya que, de lo contrario, podrían producirse conexiones erróneas y, dado el caso, un fallo de válvulas.

El punto de condensación de presión se debe situar como mínimo 15 °C por debajo de la temperatura ambiental y del medio, y debe ser como máx. de 3 °C .

El contenido de aceite del aire comprimido debe permanecer constante durante toda la vida útil.

Utilice solo aceites permitidos por AVENTICS. Encontrará más información en el documento "Información técnica" (disponible en el <https://www.emerson.com/en-us/support>).

R422101228

2024-07-30

Technical drawing of the 1000 Series 100 Ball Valve, showing top, side, and bottom views with dimensions and callouts.

Top View Dimensions:

- Overall width: 8.42
- Distance from left end to centerline: 4.09
- Distance from centerline to right end: 4.33
- Distance from left end to first NPTF port: 0.75
- Distance between NPTF ports: 0.75
- Distance from centerline to last NPTF port: 0.75
- Distance from last NPTF port to right end: 0.75
- Port size: (3x) NPTF 1/8-27
- Port callouts: 84, 82

Side View Dimensions:

- Overall height: 2.3
- Distance from top to centerline: 1.18
- Distance from centerline to bottom: 0.21
- Distance from bottom to base: 1.6
- Distance from left end to centerline: 4.09
- Distance from centerline to right end: 4.33
- Distance from left end to first NPTF port: 0.75
- Distance between NPTF ports: 0.75
- Distance from centerline to last NPTF port: 0.75
- Distance from last NPTF port to right end: 0.75
- Port size: (3x) NPTF 1/8-27
- Port callouts: 84, 82

Bottom View Dimensions:

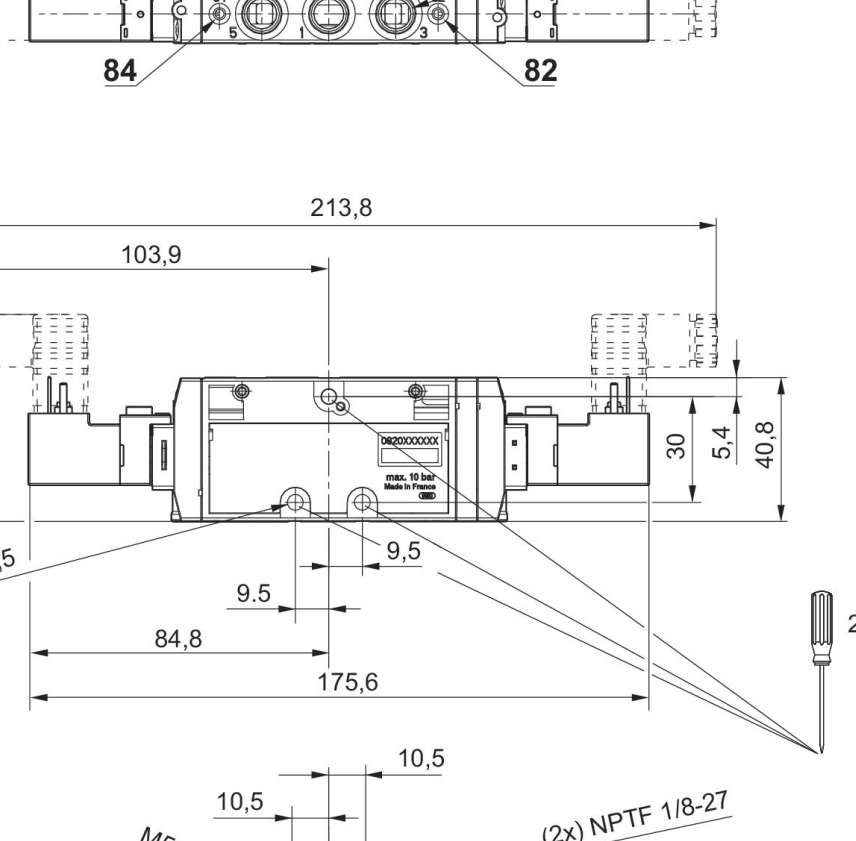
- Overall width: 8.42
- Distance from left end to centerline: 4.09
- Distance from centerline to right end: 4.33
- Distance from left end to first NPTF port: 0.75
- Distance between NPTF ports: 0.75
- Distance from centerline to last NPTF port: 0.75
- Distance from last NPTF port to right end: 0.75
- Port size: (3x) NPTF 1/8-27
- Port callouts: 84, 82

Other Dimensions and Callouts:

- Distance from left end to centerline: 4.09
- Distance from centerline to right end: 4.33
- Distance from left end to first NPTF port: 0.75
- Distance between NPTF ports: 0.75
- Distance from centerline to last NPTF port: 0.75
- Distance from last NPTF port to right end: 0.75
- Port size: (3x) NPTF 1/8-27
- Port callouts: 84, 82
- Distance from left end to centerline: 4.09
- Distance from centerline to right end: 4.33
- Distance from left end to first NPTF port: 0.75
- Distance between NPTF ports: 0.75
- Distance from centerline to last NPTF port: 0.75
- Distance from last NPTF port to right end: 0.75
- Port size: (3x) NPTF 1/8-27
- Port callouts: 84, 82

R422101228

2024-07-30



Technical drawing of the 2000 Series 1/2" (15.24 mm) pressure washer, showing three views: top, front, and bottom. The drawing includes dimensions in millimeters (mm) and inches (in).

Top View:

- Overall length: 213.8 mm (8.41 in)
- Distance from left handle to center: 103.9 mm (4.10 in)
- Distance from right handle to center: 103.9 mm (4.10 in)
- Distance between trigger gun and spray lance: 19 mm (0.75 in)
- Distance between spray lance and trigger gun: 19 mm (0.75 in)
- Thread specification: (3x) NPTF 1/8-27
- Part numbers: 84 (trigger gun), 82 (spray lance)

Front View:

- Overall height: 58.7 mm (2.31 in)
- Distance from left handle to center: 103.9 mm (4.10 in)
- Distance from right handle to center: 103.9 mm (4.10 in)
- Distance between trigger gun and spray lance: 19 mm (0.75 in)
- Distance between spray lance and trigger gun: 19 mm (0.75 in)
- Thread specification: (3x) NPTF 1/8-27
- Part numbers: 84 (trigger gun), 82 (spray lance)

Bottom View:

- Overall length: 213.8 mm (8.41 in)
- Distance from left handle to center: 103.9 mm (4.10 in)
- Distance from right handle to center: 103.9 mm (4.10 in)
- Distance between trigger gun and spray lance: 19 mm (0.75 in)
- Distance between spray lance and trigger gun: 19 mm (0.75 in)
- Thread specification: (3x) NPTF 1/8-27
- Part numbers: 84 (trigger gun), 82 (spray lance)

Side View:

- Overall width: 16.8 mm (0.66 in)
- Distance from left handle to center: 103.9 mm (4.10 in)
- Distance from right handle to center: 103.9 mm (4.10 in)
- Distance between trigger gun and spray lance: 19 mm (0.75 in)
- Distance between spray lance and trigger gun: 19 mm (0.75 in)
- Thread specification: (3x) NPTF 1/8-27
- Part numbers: 84 (trigger gun), 82 (spray lance)

Technical Details:

- Pressure rating: max. 10 bar
- Material: Made in France
- Assembly instructions: 2 +0,2 -0,2 [Nm]