

**Fluidtec**  
Automation

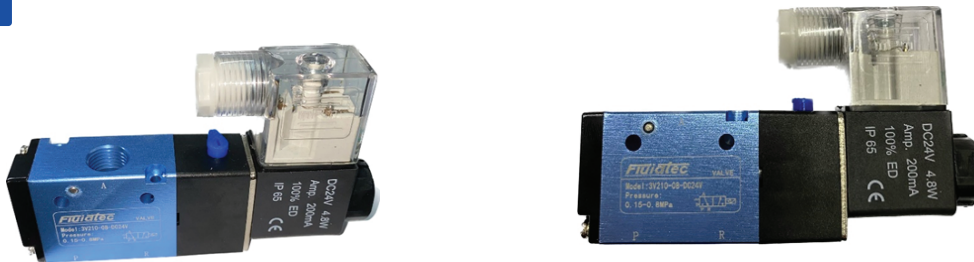


# ELECTRO VÁLVULAS SERIE 3V

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# ELECTROVÁLVULA SERIE 3V.

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Automation

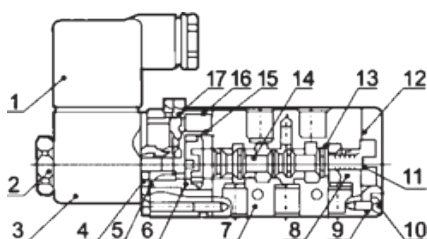


## ESPECIFICACIONES

| MODELO                            | 3V110~410                   |
|-----------------------------------|-----------------------------|
| Posición y vía                    | Tres vías de dos posiciones |
| Fluido                            | Aire comprimido             |
| Patrón de movimiento              | Tipo de guía interior       |
| Max. resistencia a la presión     | 1.2 MPa                     |
| Temperatura de funcionamiento     | 5 ~ 50°C                    |
| Rango de voltaje                  | ± 10%                       |
| Consumo de energía                | AC:4.5VA DC:3W              |
| Clase de aislamiento y protección | F Class. IP65               |
| Entrada eléctrica                 | Conector Din                |
| Frecuencia de acción más alta     | 5 Ciclos / Segundo          |
| Tiempo de respuesta               | 0.05 segundos               |
| Presión laboral                   | 0.15 ~ 0.08 MPa             |

## PARTES

### ESTRUCTURA INTERNA



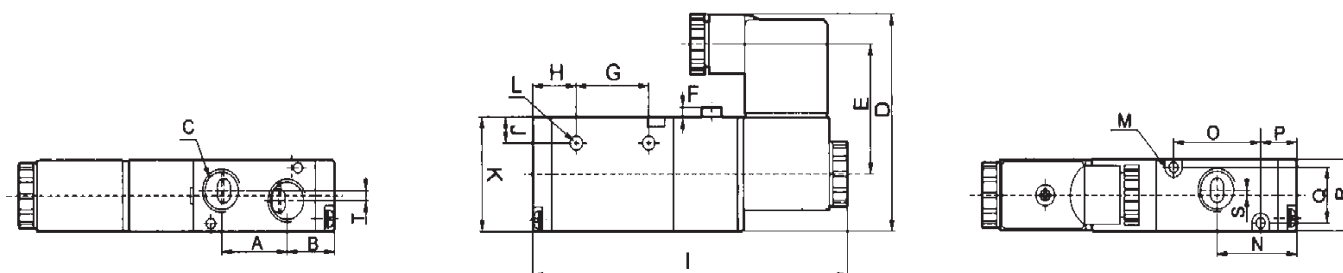
3V110~410

| NO. | DESIGNACIÓN | NO. | DESIGNACIÓN       |
|-----|-------------|-----|-------------------|
| 1   | Conector    | 12  | Tapa final        |
| 2   | Pin         | 13  | Tornillo          |
| 3   | Asiento     | 14  | Agitador          |
| 4   | 0-anillo    | 15  | Pistón            |
| 5   | Cuerpo      | 16  | Tornillo          |
| 6   | Carrete     | 17  | 0-anillo          |
| 7   | 0-anillo    | 18  | Activo aficionado |
| 8   | Cuerpo      | 19  | Bobina            |
| 9   | Tapa final  | 20  | Nut               |
| 10  | Asiento     | 21  | Conector          |
| 11  | Sello       |     |                   |

# ELECTROVÁLVULA SERIE 3V.

## DIMENSIONES GENERALES

3V110~410



**TABLA DE DIMENSIONES**

| MODELO   | A    | B    | C       | D    | E    | F   | G  | H    | I     | J    | K  | L       | M       | N    | O  | P    | Q  | R  | S   | T |
|----------|------|------|---------|------|------|-----|----|------|-------|------|----|---------|---------|------|----|------|----|----|-----|---|
| 3V110-06 | 16   | 14   | 3-G1/8" | 53.5 | 32.5 | 2.5 | 21 | 12   | 85.5  | 7.7  | 27 | 2-0 3.3 | 2-0 3.3 | 23   | 19 | 12.5 | 13 | 18 | 1   | 2 |
| 3V210-06 | 18   | 21   | 3-G1/8" | 66.5 | 40   | 3   | 25 | 15   | 111.5 | 8    | 35 | 2-0 3.3 | 2-0 3.2 | 31   | 33 | 12.5 | 17 | 22 | 1.5 | / |
| 3V210-08 | 18   | 21   | 3-G1/4" | 66.5 | 40   | 3   | 25 | 15   | 111.5 | 8    | 35 | 2-0 3.3 | 2-0 3.2 | 31   | 33 | 12.5 | 17 | 22 | 1.5 | / |
| 3V310-10 | 24   | 20.5 | 3-G3/4" | 69   | 40   | 2.4 | 30 | 17.5 | 119.5 | 10.5 | 40 | 2-0 4.3 | 2-0 4.3 | 32.5 | 35 | 15   | 20 | 22 | /   | 3 |
| 3V410-15 | 31.5 | 25.5 | 3-G1/4" | 74   | /    | /   | 51 | 15.5 | 137   | 11.5 | 50 | 2-0 4.3 | 2-0 4.3 | 41.5 | /  | /    | /  | /  | 2   | / |

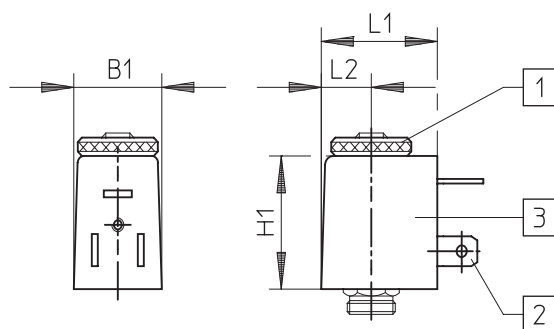
| TAMAÑO DEL PUERTO | MODELO   | VOLTAJE                                     |
|-------------------|----------|---------------------------------------------|
| 1/8               | 3V110-06 | 12 VCD, 24 VCA, 24 VCD,<br>110 VCA, 220 VCA |
| 1/4               | 3V210-08 |                                             |
| 3/8               | 3V310-10 |                                             |
| 1/2               | 3V410-15 |                                             |



# BOBINAS MAGNÉTICAS



| MODELO                           | SERIE 100/200/400                                         |        |        |        |        |
|----------------------------------|-----------------------------------------------------------|--------|--------|--------|--------|
| Posición y vía                   | 12 VCD                                                    | 24 VDC | 24 VCA | 110VCA | 220VCA |
| Posición de montaje              | Indistinta (puede girarse 360° sobre el núcleo de bobina) |        |        |        |        |
| Conexión eléctrica               | 3 pines                                                   |        |        |        |        |
| Materiales                       | Plástico termo endurecido, cobre, acero                   |        |        |        |        |
| Márgen de temperatura            | - 5 ... +40°C                                             |        |        |        |        |
| Potencia [W]                     | 4,1                                                       | 4,5    | -      |        |        |
| Potencia de arranque, 50 Hz [VA] | -                                                         | -      | 9      |        |        |
| Factor de potencia cos (phi)     | -                                                         | -      | 7      |        |        |
| Frecuencia [Hz]                  | -                                                         | -      | 50/60  |        |        |



|   |                      |
|---|----------------------|
| 1 | Tuerca de fijación   |
| 2 | Bobina magnética     |
| 3 | Lenguetas de enchufe |

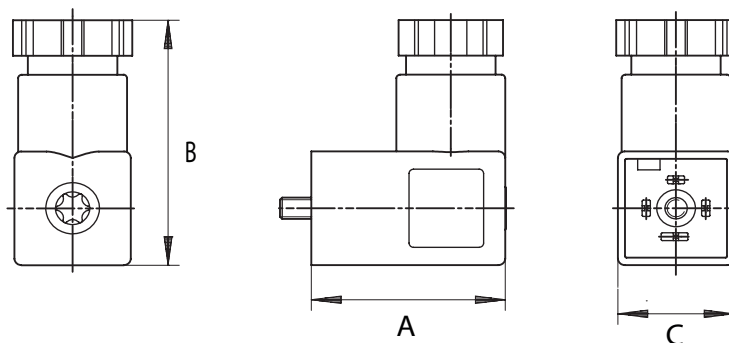
## DIMENSIONES

| SERIE   | B1 | H1 | H2   | L1   | L2   |
|---------|----|----|------|------|------|
| 100     | 17 | 23 | 32.5 | 25.8 | 9.8  |
| 200/400 | 22 | 29 | 37.8 | 29.5 | 12.5 |

# CONECTOR DIN

## SERIE 100

### DIMENSIONES

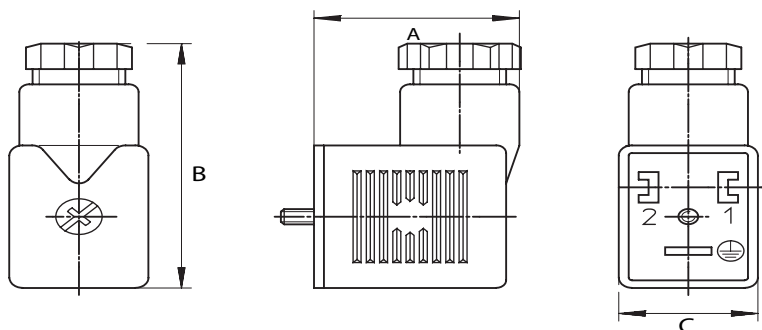


| MODELO | A  | B    | D    |
|--------|----|------|------|
| 100    | 24 | 31.5 | 15.7 |

# CONECTOR DIN

## SERIE 200/400

### DIMENSIONES



| MODELO  | A  | B    | D    |
|---------|----|------|------|
| 200/400 | 29 | 46.5 | 20.5 |