

# TURBO HEADER TANKS



## CERTIFIED HEADER TANKS

**T**urbo boasts a full range of dust collector header tanks compliant with the PED 2014/68/EU Directives. Our header tanks stand out for their high performance and durability.

Our expertise and product customisation allow us to meet the requirements of dust collector system and machine manufacturers.

Turbo mainly makes three types of header tanks:

**1. Steel header tanks**

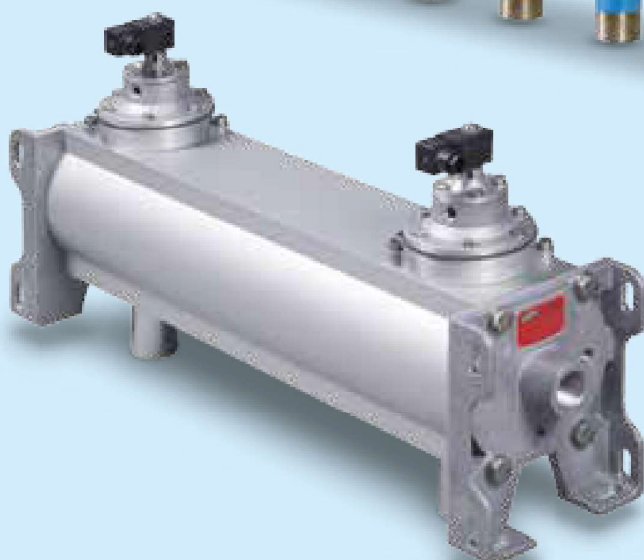
(Integral, TF, TL, TD, and Pack series)

**2. Aluminium header tanks**

(Alutank series)

**3. AISI 304 and 316 stainless steel header tanks**

(Integral, TF, TL, TD, and Pack series)



We have a wide range of accessories available, among which air cannons, bulkhead connectors, Matrix cabling system, and Eco-Net bus serial cabling system.

Turbo also provides header tanks manufactured in compliance with the ATEX 2014/34/EC Directive compliant with the following marking:



ATEX II 2GD (zone 1 and 21)  
ATEX II 3GD(zone 2 and 22).

(The ATEX directive is illustrated at page 109/110)



## TECHNICAL FEATURES

### COIL

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Coil insulation                     | Class H                               |
| Connector                           | PG 9 EN 175301-803                    |
| Connector + coil protection         | IP 65 EN 60529                        |
| the 2014/34 EU Atex Directive       | Group II Cat. 2GD + Group II Cat. 3GD |
| Voltage                             |                                       |
| 24V / 50-60 Hz ( $\pm 10\%$ ) 19VA  |                                       |
| 115V / 50-60 Hz ( $\pm 10\%$ ) 19VA |                                       |
| 230V / 50-60 Hz ( $\pm 10\%$ ) 19VA |                                       |
| 24 DC ( $\pm 10\%$ ) 18 Watt        |                                       |

### VALVE CONSTRUCTION

|                           |                                 |
|---------------------------|---------------------------------|
| Cover                     | Die-cast aluminium              |
| Valve body                | Die-cast aluminium              |
| Pilot unit                | Stainless Steel                 |
| Screws                    | Stainless Steel                 |
| Std diaphragm             | -20 °C + 80 °C                  |
| Viton diaphragm           | -20 °C + 200°C                  |
| Low temperature diaphragm | Elastomer textile -40°C; + 80°C |
| Diaphragm disk            | Stainless Steel                 |

### TANK OPERATION

|                                        |                           |
|----------------------------------------|---------------------------|
| Fluids                                 | Compressed air - nitrogen |
| Operating pressure                     | between 0.5 and 8 bar     |
| Carbon steel operating temperature     | -20 °C + 80 °C            |
| Carbon steel low operating temperature | -40°C + 80 °C             |
| Stainless steel operating temperature  | -50°C + 200°C             |
| the 2014/34 EU Atex Directive          | Group II Cat. 2 GD        |
|                                        | Group II Cat. 3 GD        |

### TANK CAPACITY

|                  |      |              |
|------------------|------|--------------|
| Dn 4" (114 mm)   | 8.9  | litres/metre |
| Dn 5" (141.3 mm) | 13.6 | litres/metre |
| Dn 6" (168 mm)   | 19.8 | litres/metre |
| Dn 8" (219 mm)   | 33.4 | litres/metre |
| Dn 10" (273 mm)  | 53.2 | litres/metre |
| Dn 12" (324 mm)  | 76   | litres/metre |
| Dn 14" (356 mm)  | 91   | litres/metre |

La range of TURBO header tanks

**- Global immersion**

In global immersion header tanks, the diaphragm valve is fully immersed in the fluid. This feature ensures a particularly high yield.

**- With threaded stubs**

These ensure a perfectly rigid valve assembly and alignment. The valves used for these header tanks have threaded connections.

**- With plain stubs**

This solution allows for extremely quick and efficient valve assembly.

**- Alutank aluminium header tanks**

These lightweight header tanks are fully made according to customer requirements and are particularly easy to handle. The anodised aluminium provides particular resistance against weather agents whilst preventing oxidation. It also ensures clean compressed air supply.





## HEADER TANKS



|                                                                 |                  |                |
|-----------------------------------------------------------------|------------------|----------------|
| GLOBAL IMMERSION HEADER TANKS                                   | INTEGRAL series  | PED 2014/68/EU |
| HEADER TANKS WITH THREADED STUBS                                | TF series        | PED 2014/68/EU |
| HEADER TANKS WITH THREADED STUBS<br>FOR STRAIGHT THROUGH VALVES | TL series        | PED 2014/68/EU |
| HEADER TANKS WITH PLAIN STUBS                                   | TD series        | PED 2014/68/EU |
| STAINLESS STEEL HEADER TANKS                                    | XTF - INX series | PED 2014/68/EU |
| GLOBAL IMMERSION HEADER TANKS                                   | ALUTANK series   | PED 2014/68/EU |
| DEPACKING HEADER TANKS                                          | PACK series      | PED 2014/68/EU |

**CERTIFICATES COMPLIANT WITH  
THE 2014/68/EU - PED DIRECTIVES**

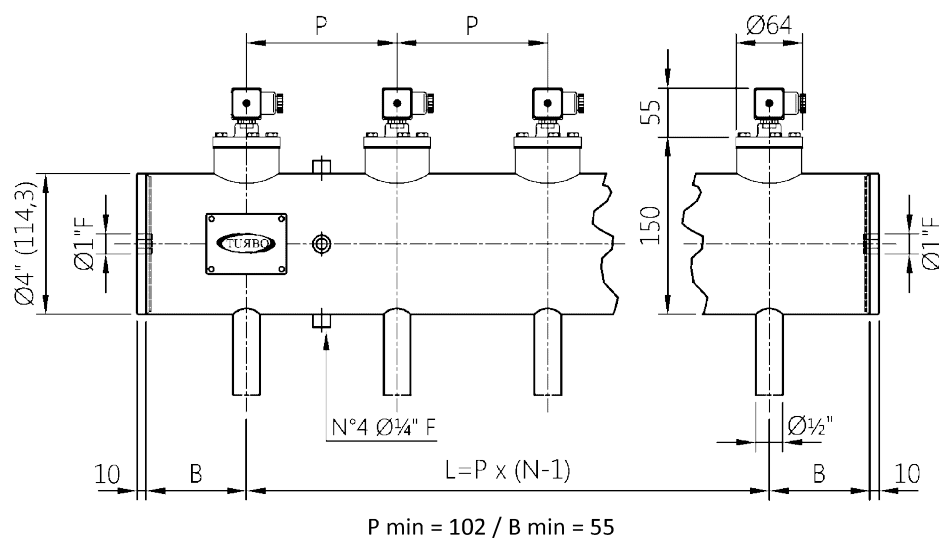
## HOW TO ORDER

# HEADER TANKS

| example                                                                                                                                                                                                                     | INTEGRAL | 6 | P | 25 | 02450 | N10 | P150 | F | G1 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|---|----|-------|-----|------|---|----|
| <b>HEADER TANK MODEL</b><br>GLOBAL IMMERSION = INTEGRAL<br>WITH THREADED STUBS = TF - TL<br>WITH PLAIN STUBS = TD<br>ALUMINIUM = ALUTANK                                                                                    |          |   |   |    |       |     |      |   |    |
| <b>TANK DIAMETER</b><br>4" = 4<br>5" = 5<br>6" = 6<br>8" = 8<br>10" = 10<br>12" = 12<br>14" = 14                                                                                                                            |          |   |   |    |       |     |      |   |    |
| BUILT-IN PILOT = P<br>REMOTE PILOT = M                                                                                                                                                                                      |          |   |   |    |       |     |      |   |    |
| <b>VALVE DIAMETER</b><br>1/2" = 10<br>3/4" = 20<br>1" = 25<br>1 1/2" = 30<br>1 1/2" = 35<br>1 1/2" = 40<br>1 1/2" = 45<br>2" = 50<br>2" = 54<br>2" = 55<br>2 1/2" = 65<br>2 1/2" = 71<br>3" = 75<br>3" = 80<br>3 1/2" = 100 |          |   |   |    |       |     |      |   |    |
| <b>COIL VOLTAGE</b><br>24V/50-60Hz = 02450<br>115V/50-60Hz = 11050<br>230V/50-60Hz = 22050<br>24VDC = 024DC                                                                                                                 |          |   |   |    |       |     |      |   |    |
| N = NUMBER OF VALVES                                                                                                                                                                                                        |          |   |   |    |       |     |      |   |    |
| P = PITCH                                                                                                                                                                                                                   |          |   |   |    |       |     |      |   |    |
| FLAT ENDS = F                                                                                                                                                                                                               |          |   |   |    |       |     |      |   |    |
| <b>ONLY FOR INTEGRAL - ALUTANK series</b><br>SHORT PLAIN OUTLET PIPE = G1<br>LONG PLAIN OUTLET PIPE = G2<br>LONG THREADED OUTLET PIPE = G3<br>SHORT THREADED OUTLET PIPE = G4                                               |          |   |   |    |       |     |      |   |    |

The code, INTEGRAL 6P2502450N10P150FG1 represents a global immersion header tank of the Integral series, which has a 6" diameter (6), electric pilots installed (P), 10 (N10) x 1" valves (25) powered by a 24V 50Hz voltage (02450) and having a 150 mm pitch (P150). The bottoms are flat (F) and the outlet pipes are short and plain (G1).

## 4" INTEGRAL SERIES WITH ½" DN VALVES

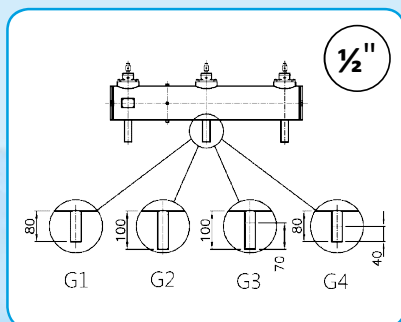
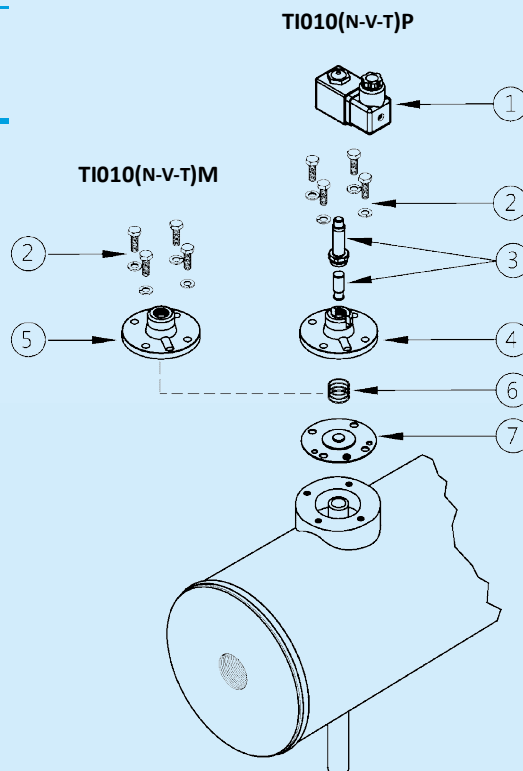


For special versions of P min and B min, please contact our technical department

### DESCRIPTION TI010(N-V-T)P / TI010(N-V-T)M

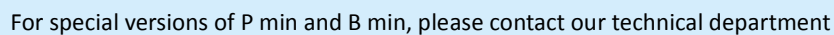
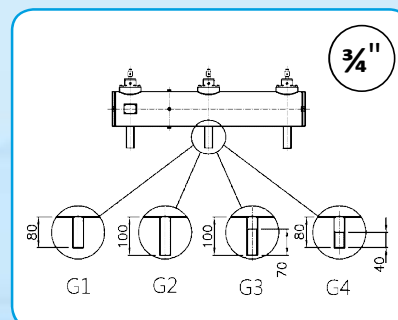
|   |                   |                                                                    |
|---|-------------------|--------------------------------------------------------------------|
| 1 | Coil - Connector  | BH10 V## / V##                                                     |
| 2 | Screws - Washers  | TKITVTE06X18X4                                                     |
| 3 | Pilot unit        | 1331080                                                            |
| 4 | Pilot cover       | 1251720                                                            |
| 5 | Remote cover      | 1251740                                                            |
| 6 | Diaphragm spring  | 3241006                                                            |
| 7 | Diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



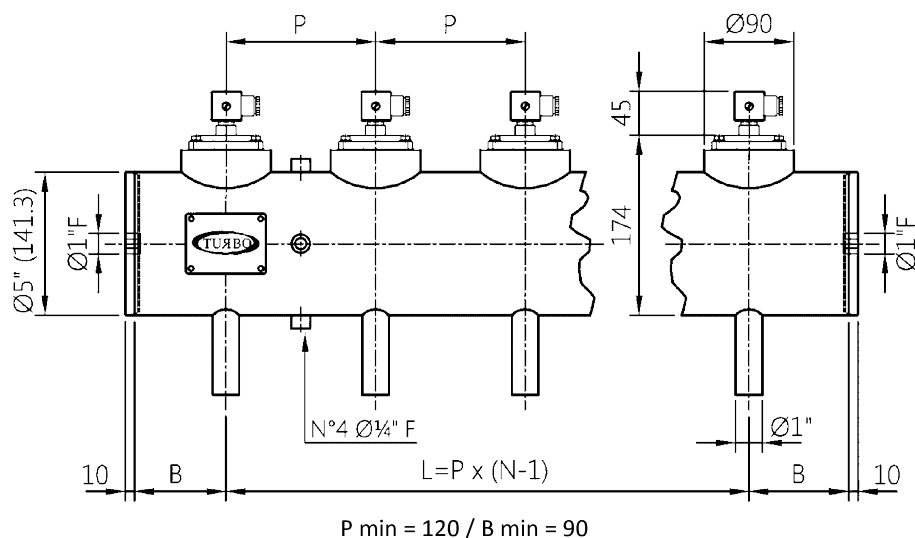
SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

**GLOBAL**  
IMMERSION HEADER TANKS


$$V_{\#} / V_{\#} = 24 \text{ Vdc} - 24 \text{ Vac} - 115 \text{ Vac} - 230 \text{ Vac}$$




## 5" INTEGRAL SERIES WITH 1" DN VALVES



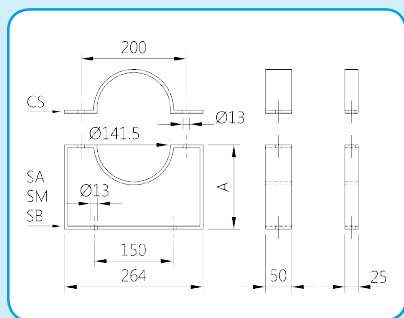
For special versions of P min and B min, please contact our technical department

### DESCRIPTION

### TI025(N-V-T)P / TI025(N-V-T)M

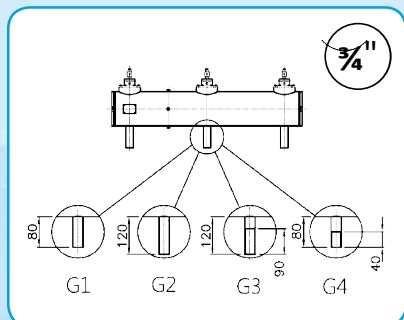
|    |                   |                                                                    |
|----|-------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector  | BH10 V## / V##                                                     |
| 2  | Screws - Washers  | TKITVTE06X18X4                                                     |
| 3  | Pilot unit        | 1331080                                                            |
| 4  | Pilot cover       | 1251750                                                            |
| 5  | Remote cover      | 1251770                                                            |
| 6a | Diaphragm spring  | 3241002                                                            |
| 6  | Diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



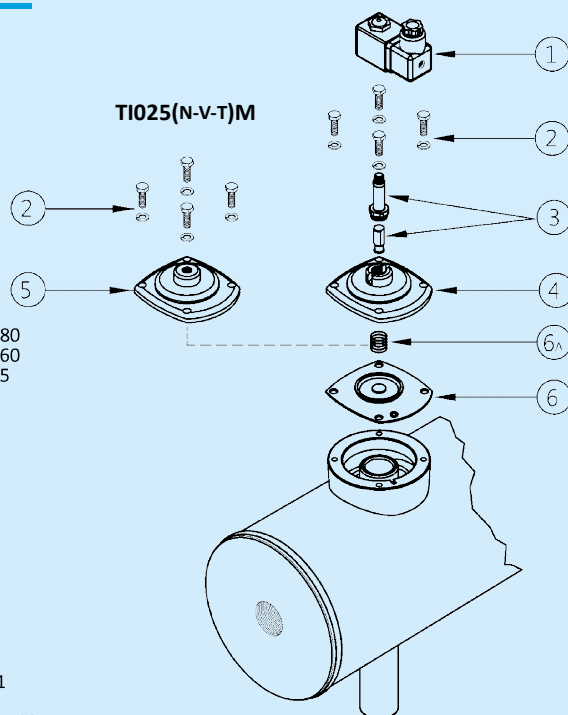
### BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT A = 180  
SM = MEDIUM SUPPORT A = 160  
SB = LOW SUPPORT A = 95

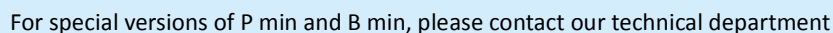
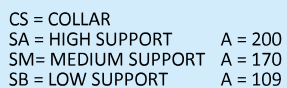


SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

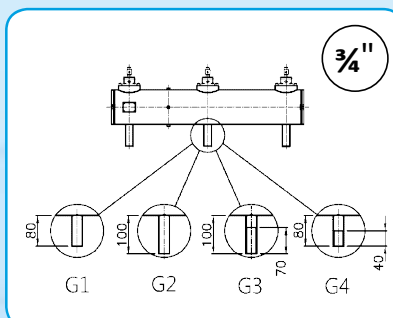
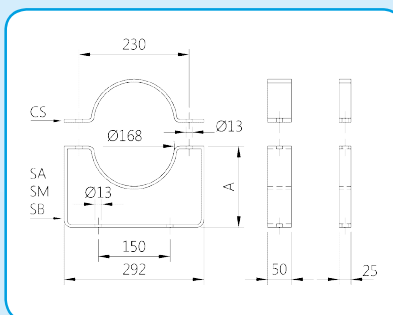
### TI025(N-V-T)P



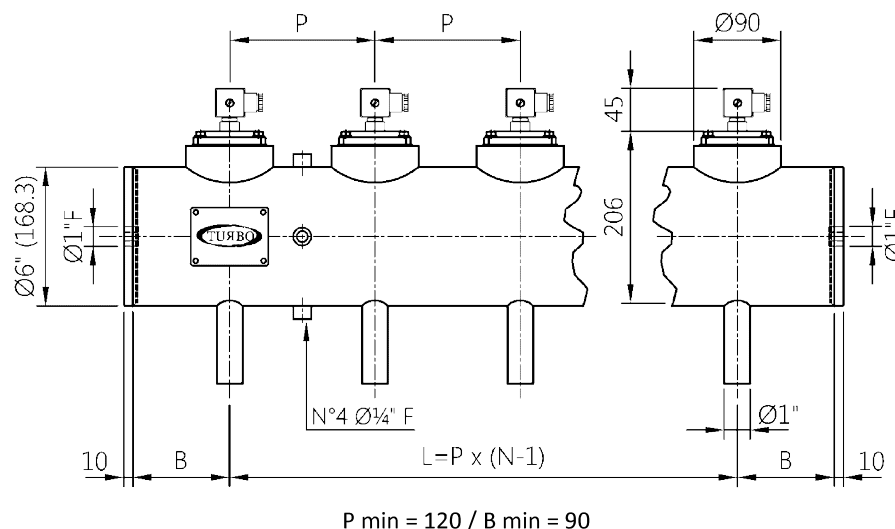
**GLOBAL**  
IMMERSION HEADER TANKS


$$V_{##} / V_{##} = 24 \text{ Vdc} - 24 \text{ Vac} - 115 \text{ Vac} - 230 \text{ Vac}$$


SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4



## 6" INTEGRAL SERIES WITH 1" DN VALVES

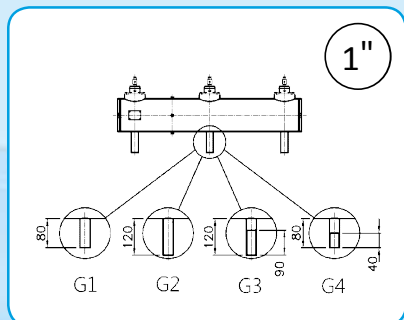
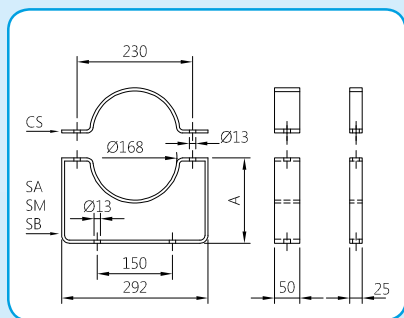


For special versions of P min and B min, please contact our technical department

### DESCRIPTION TI025(N-V-T)P / TI025(N-V-T)M

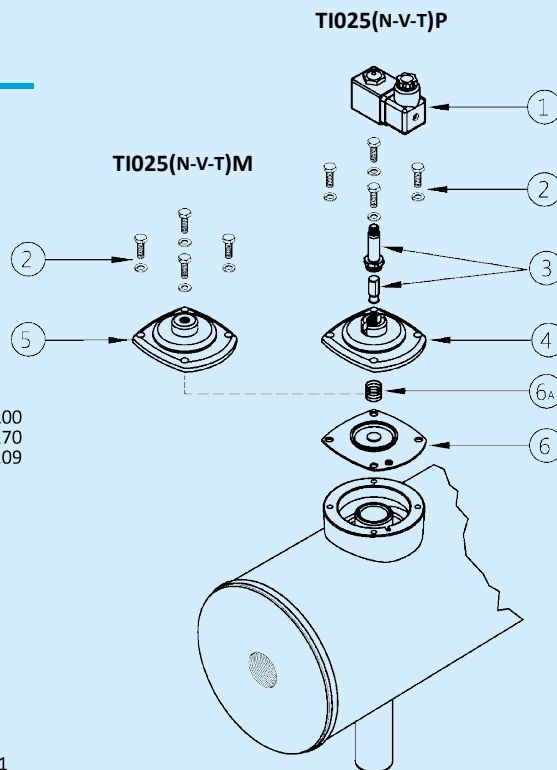
|    |                   |                                                                    |
|----|-------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector  | BH10 V## / V##                                                     |
| 2  | Screws - Washers  | TKITVTE06X18X4                                                     |
| 3  | Pilot unit        | 1331080                                                            |
| 4  | Pilot cover       | 1251750                                                            |
| 5  | Remote cover      | 1251770                                                            |
| 6a | Diaphragm spring  | 3241002                                                            |
| 6  | Diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



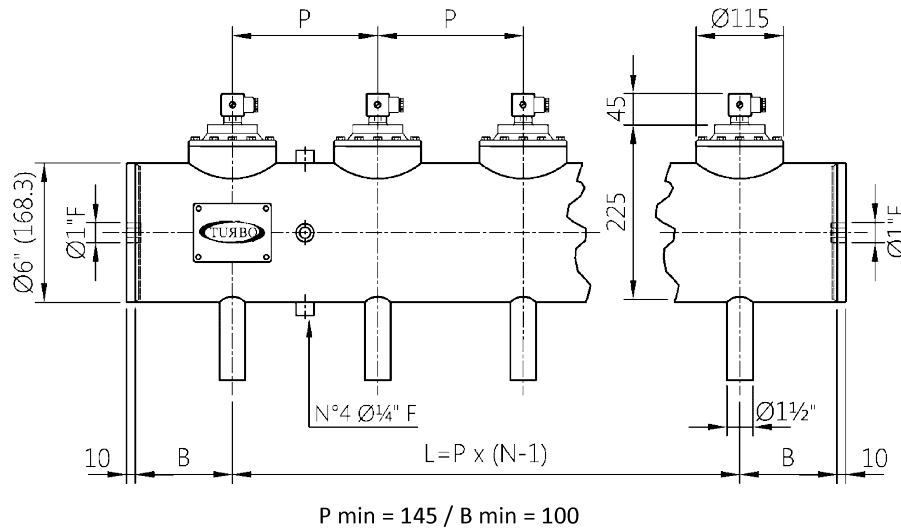
### BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT  
SM = MEDIUM SUPPORT  
SB = LOW SUPPORT



SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

# 6" INTEGRAL SERIES WITH 1½" DN VALVES



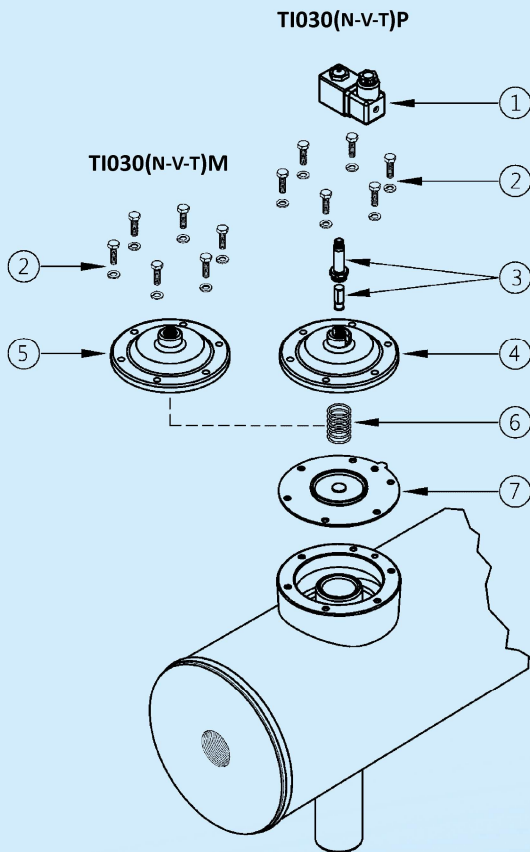
For special versions of P min and B min, please contact our technical department

## DESCRIPTION

## TI030(N-V-T)P / TI030(N-V-T)M

|   |                   |                                                                    |
|---|-------------------|--------------------------------------------------------------------|
| 1 | Coil - Connector  | BH10 V## / V##                                                     |
| 2 | Screws - Washers  | TKITVTE06X20X6                                                     |
| 3 | Pilot unit        | 1331080                                                            |
| 4 | Pilot cover       | 1251802                                                            |
| 5 | Remote cover      | 1251805                                                            |
| 6 | Diaphragm spring  | 3241018                                                            |
| 7 | Diaphragm (N-V-T) | TKISM030N Neoprene<br>TKISM030V Viton<br>TKISM030T Low temperature |

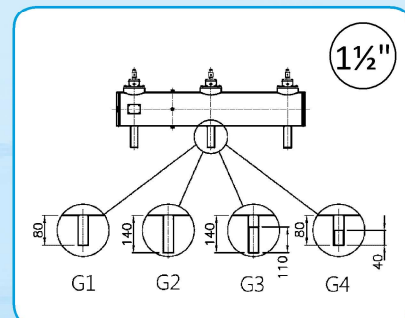
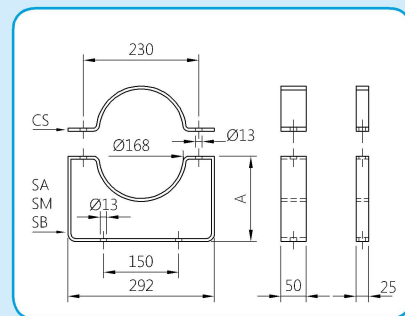
V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



## BRACKETS

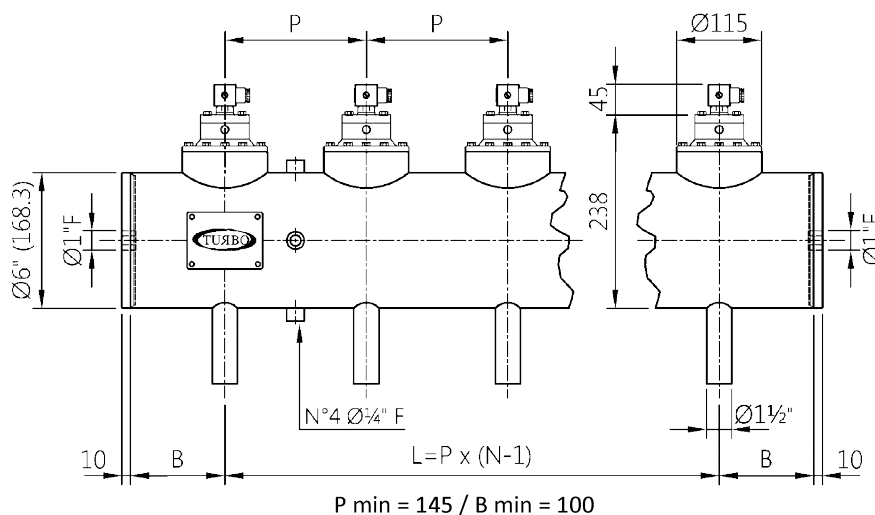
CS = COLLAR  
SA = HIGH SUPPORT  
SM = MEDIUM SUPPORT  
SB = LOW SUPPORT

A = 200  
A = 170  
A = 109



SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

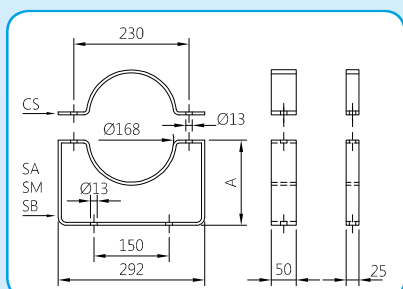
## 6" INTEGRAL SERIES WITH 1½" DN VALVES



For special versions of P min and B min, please contact our technical department

### DESCRIPTION TI035(N-V-T)P / TI035(N-V-T)M

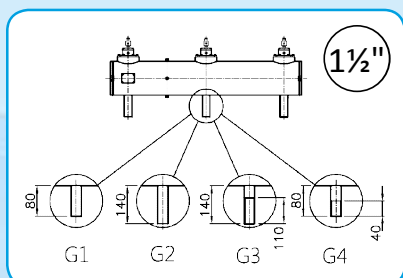
|    |                                                             |                                                                    |
|----|-------------------------------------------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector                                            | BH10 V## / V##                                                     |
| 2  | Screws - Washers                                            | TKITVTE06X18X4                                                     |
| 3  | Pilot unit                                                  | 1331080                                                            |
| 4  | Pilot cover                                                 | 1251720                                                            |
| 5  | Remote cover                                                | 1251740                                                            |
| 6  | Diaphragm spring                                            | 3241006                                                            |
| 7  | 0.5 ÷ 6 bar - 0.5 ÷ 8 bar<br>Secondary diaphragm<br>(N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| 8  | Screws - Washers                                            | TKITVTE06X20X6                                                     |
| 9  | Cover                                                       | 1251810                                                            |
| 10 | Diaphragm spring                                            | 3241018                                                            |
| 11 | Primary diaphragm<br>(N-V-T)                                | TKISM035N Neoprene<br>TKISM035V Viton<br>TKISM035T Low temperature |



V## / V## = 24 Vdc - 24 Vac  
- 115 Vac - 230 Vac

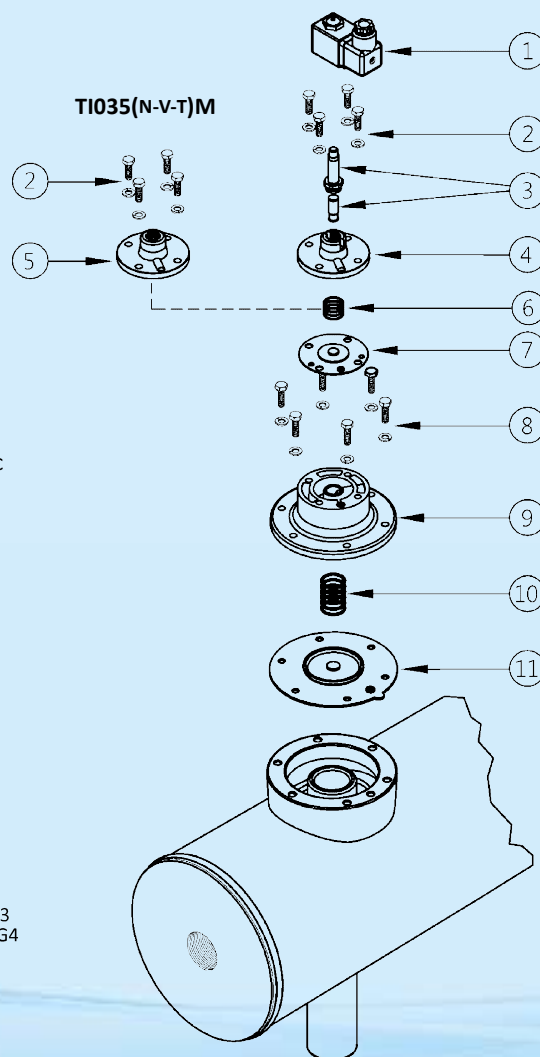
### BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT A = 200  
SM = MEDIUM SUPPORT A = 170  
SB = LOW SUPPORT A = 109



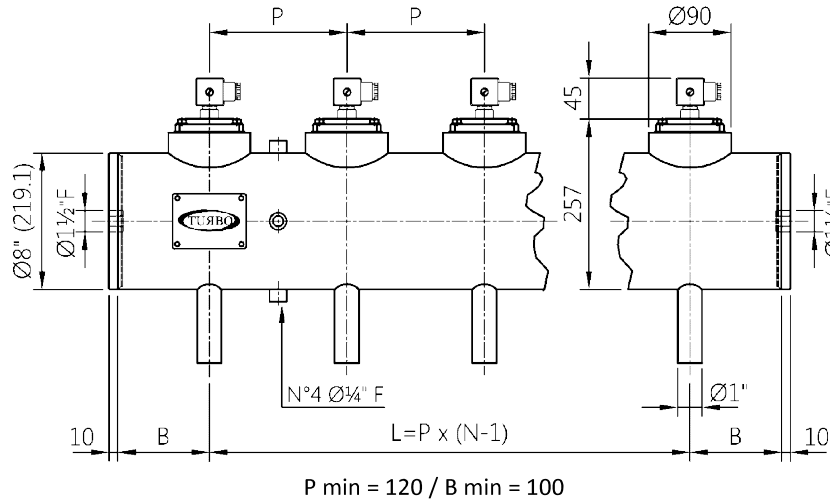
SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

### TI035(N-V-T)P





# 8" INTEGRAL SERIES WITH 1" DN VALVES



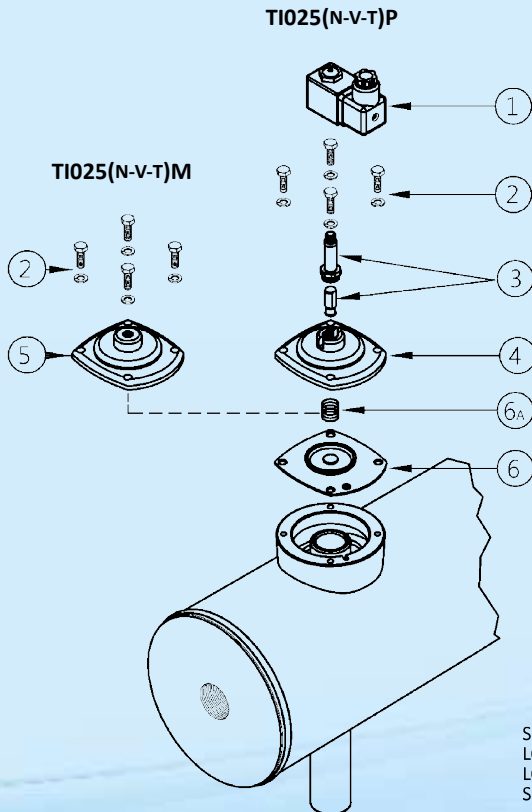
For special versions of P min and B min, please contact our technical department

## DESCRIPTION

## TI025(N-V-T)P / TI025(N-V-T)M

|    |                   |                                                                    |
|----|-------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector  | BH10 V## / V##                                                     |
| 2  | Screws - Washers  | TKITVTE06X18X4                                                     |
| 3  | Pilot unit        | 1331080                                                            |
| 4  | Pilot cover       | 1251750                                                            |
| 5  | Remote cover      | 1251770                                                            |
| 6a | Diaphragm spring  | 3241002                                                            |
| 6  | Diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |

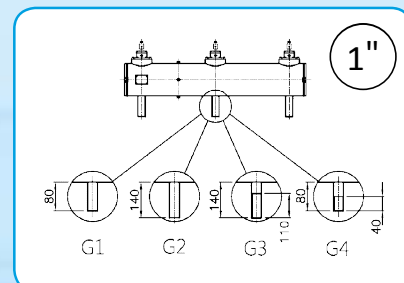
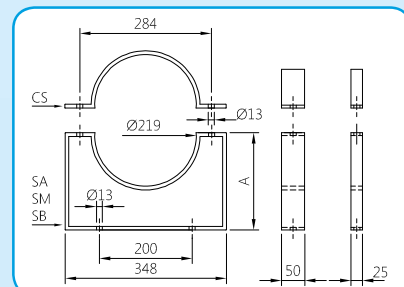
V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



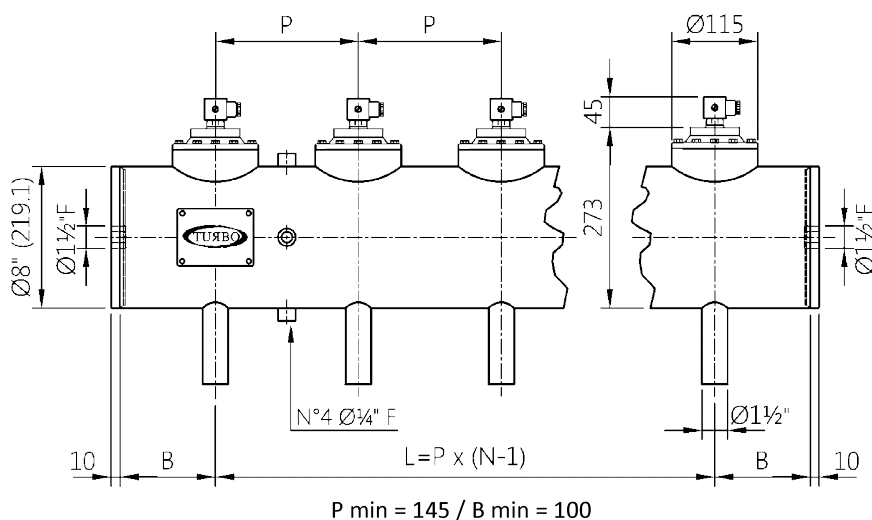
## BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT A = 270  
SM = MEDIUM SUPPORT A = 210  
SB = LOW SUPPORT A = 134

SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4



## 8" INTEGRAL SERIES WITH 1½" DN VALVES

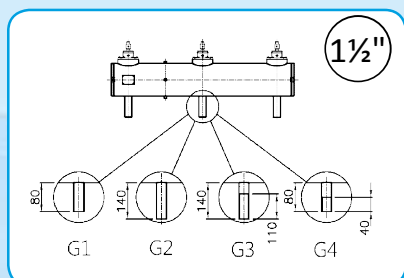
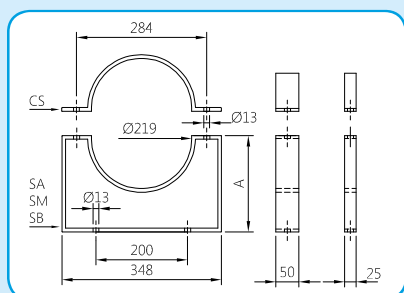


For special versions of P min and B min, please contact our technical department

### DESCRIPTION TI030(N-V-T)P / TI030(N-V-T)M

|   |                   |                                                                    |
|---|-------------------|--------------------------------------------------------------------|
| 1 | Coil - Connector  | BH10 V## / V##                                                     |
| 2 | Screws - Washers  | TKITVTE06X20X6                                                     |
| 3 | Pilot unit        | 1331080                                                            |
| 4 | Pilot cover       | 1251802                                                            |
| 5 | Remote cover      | 1251805                                                            |
| 6 | Diaphragm spring  | 3241018                                                            |
| 7 | Diaphragm (N-V-T) | TKISM030N Neoprene<br>TKISM030V Viton<br>TKISM030T Low temperature |

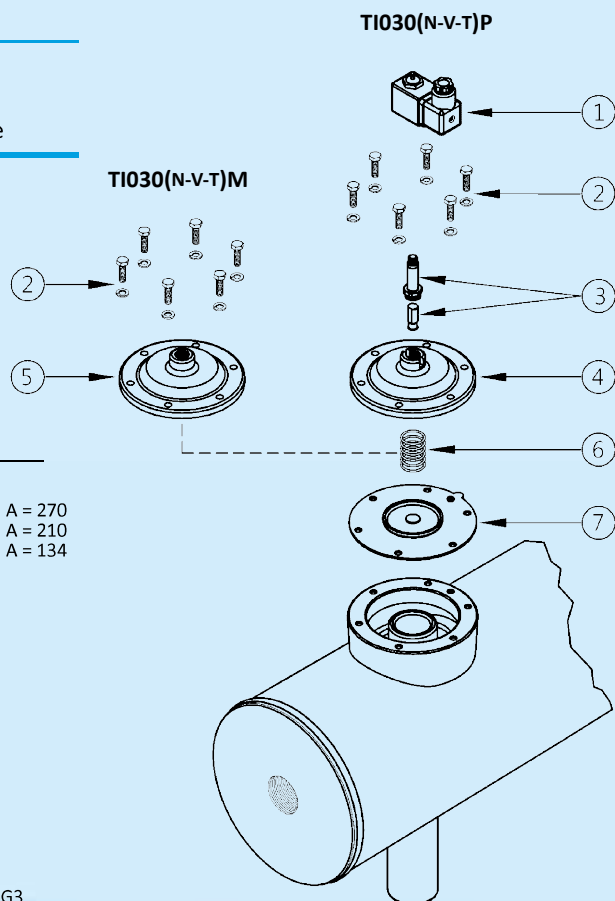
V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



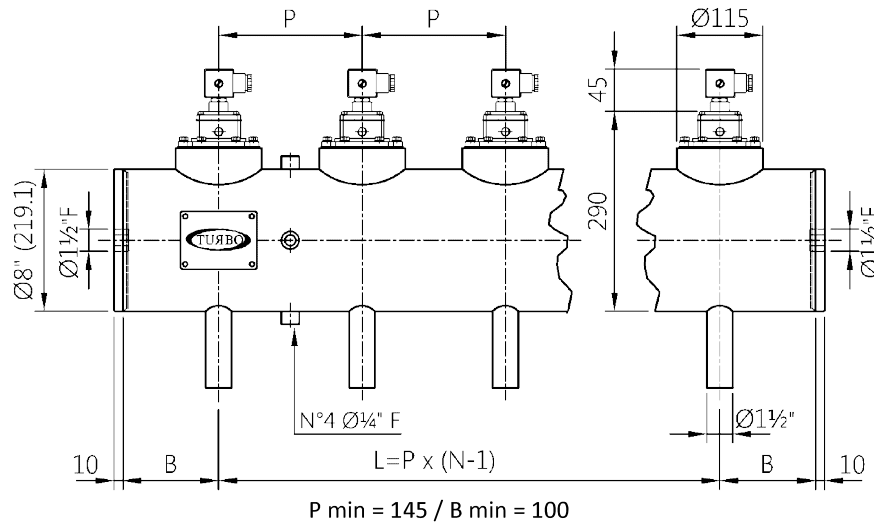
### BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT A = 270  
SM = MEDIUM SUPPORT A = 210  
SB = LOW SUPPORT A = 134

SHORT PLAIN STUB = G1  
LONG PLAIN STUB = G2  
LONG THREADED STUB = G3  
SHORT THREADED STUB = G4



# 8" INTEGRAL SERIES WITH 1½" DN VALVES



For special versions of P min and B min, please contact our technical department

## DESCRIPTION

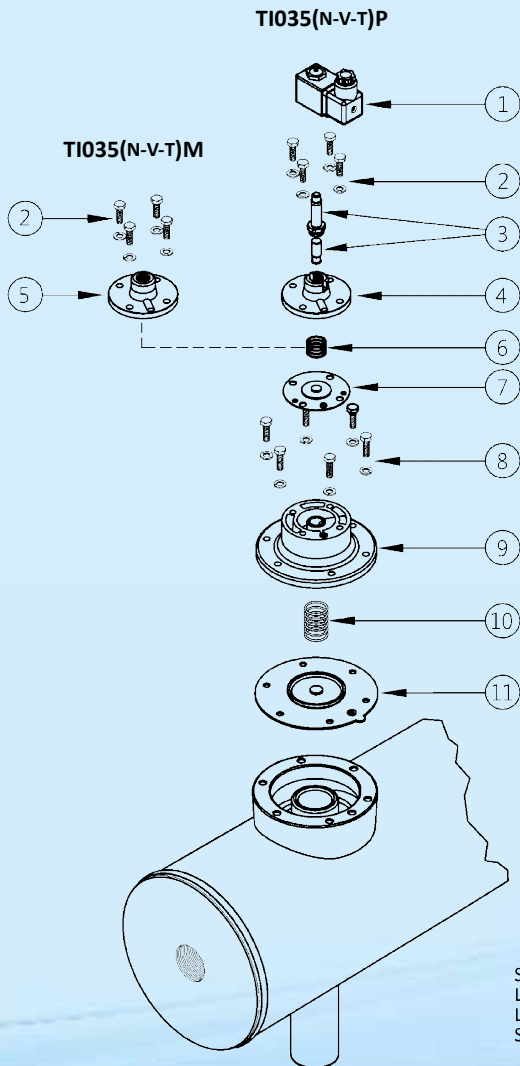
## TI035(N-V-T)P / TI035(N-V-T)M

|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X18X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251720                                                            |
| 5  | Remote cover                | 1251740                                                            |
| 6  | Diaphragm spring            | 3241006                                                            |
| 7  | Secondary Diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| 8  | Screws - Washers            | TKITVTE06X20X6                                                     |
| 9  | Cover                       | 1251810                                                            |
| 10 | Diaphragm spring            | 3241018                                                            |
| 11 | Primary diaphragm (N-V-T)   | TKISM035N Neoprene<br>TKISM035V Viton<br>TKISM035T Low temperature |

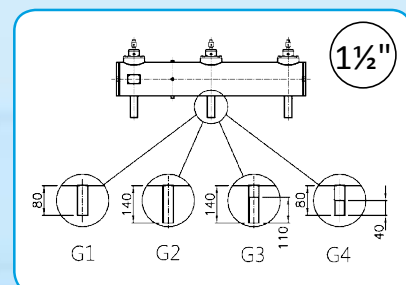
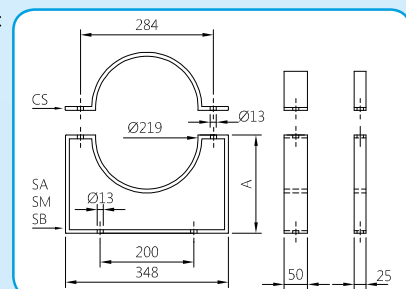
V## / V## = 24 Vdc - 24 Vac  
- 115 Vac - 230 Vac

## BRACKETS

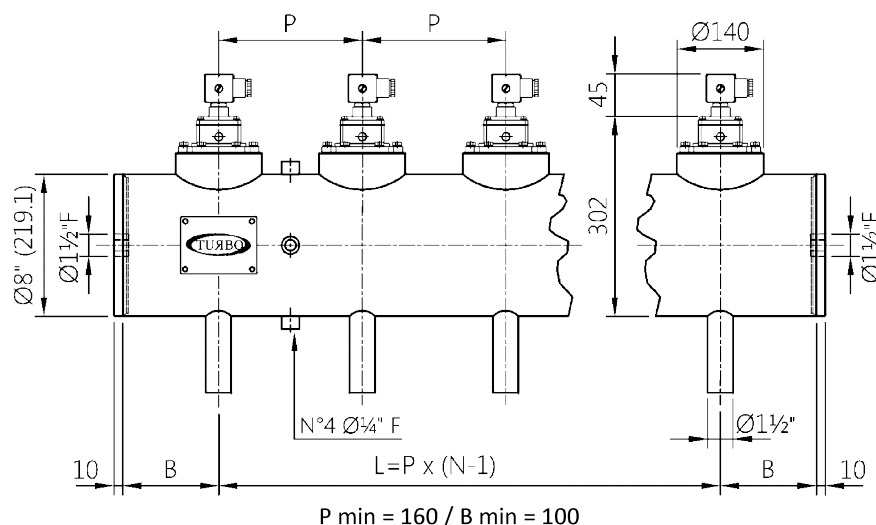
CS = COLLAR  
SA = HIGH SUPPORT A = 270  
SM = MEDIUM SUPPORT A = 210  
SB = LOW SUPPORT A = 134



SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4



## 8" INTEGRAL SERIES WITH 1½" DN VALVES

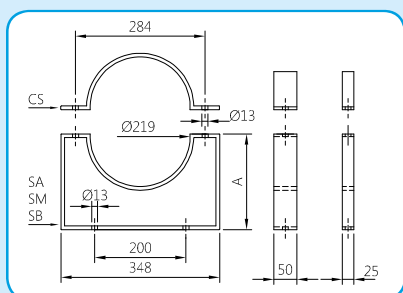


For special versions of P min and B min, please contact our technical department

### DESCRIPTION

### TI040(N-V-T)P / TI040(N-V-T)M

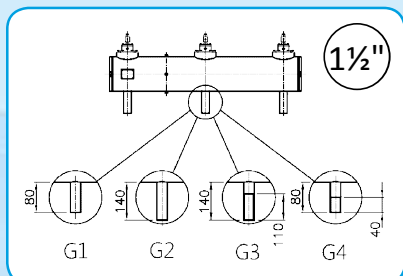
|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X20X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251750                                                            |
| 5  | Remote cover                | 1251770                                                            |
| 6  | Secondary Diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a | Diaphragm spring            | 3241002                                                            |
| 7  | Screws - Washers            | TKITVTE08X20X6                                                     |
| 8  | Cover                       | 1251620                                                            |
| 9  | Diaphragm spring            | 3241024                                                            |
| 10 | Primary diaphragm (N-V-T)   | TKISM040N Neoprene<br>TKISM040V Viton<br>TKISM040T Low temperature |



V## / V## = 24 Vdc - 24 Vac  
- 115 Vac - 230 Vac

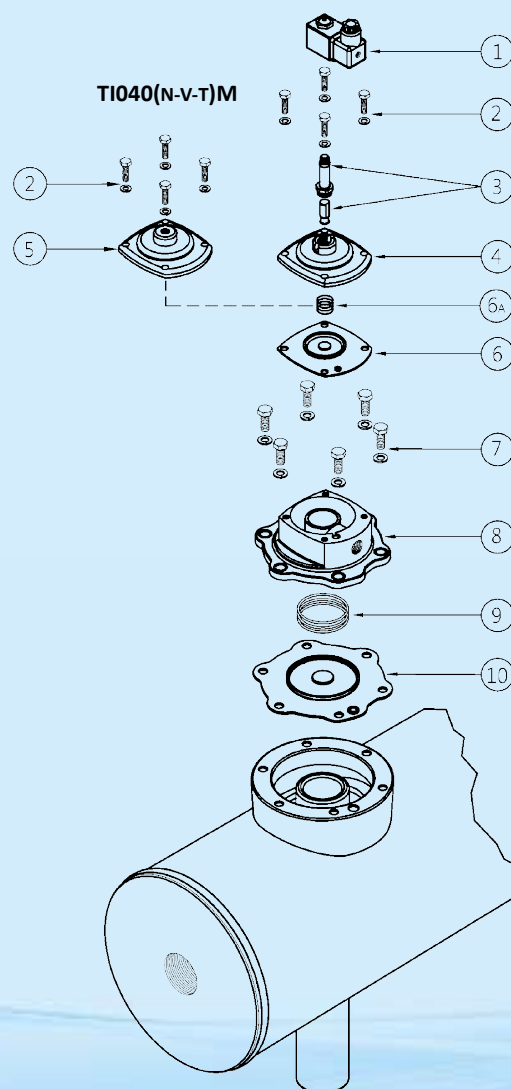
### BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT A = 270  
SM = MEDIUM SUPPORT A = 210  
SB = LOW SUPPORT A = 134

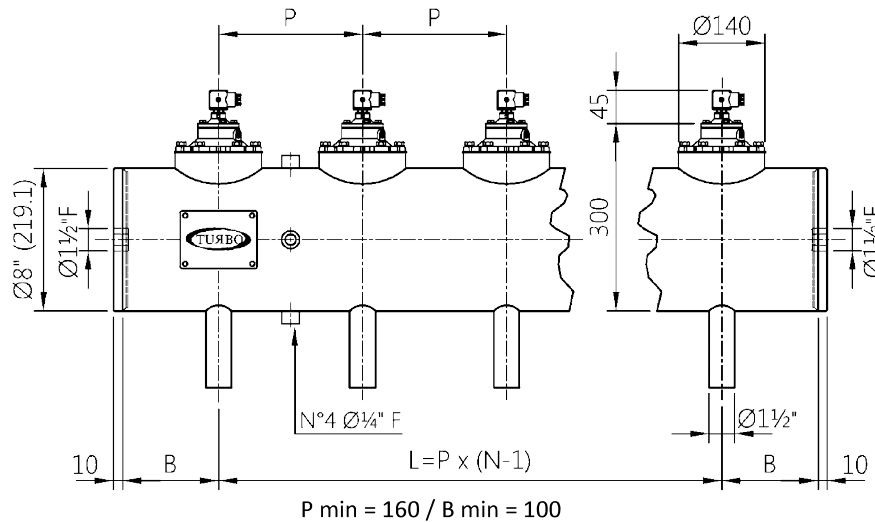


SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

### TI040(N-V-T)P



# 8" INTEGRAL SERIES WITH 1½" DN VALVES



For special versions of P min and B min, please contact our technical department

## DESCRIPTION

## TI045(N-V-T)P / TI045(N-V-T)M

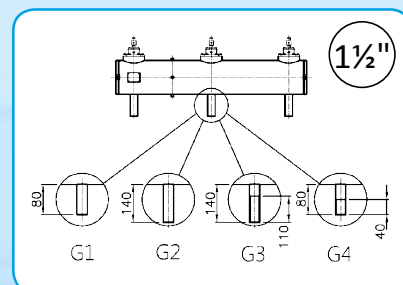
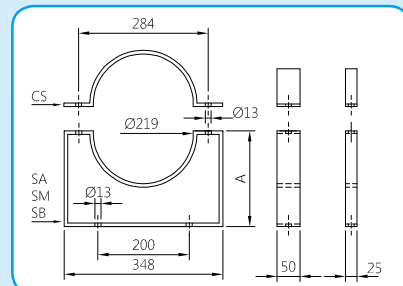
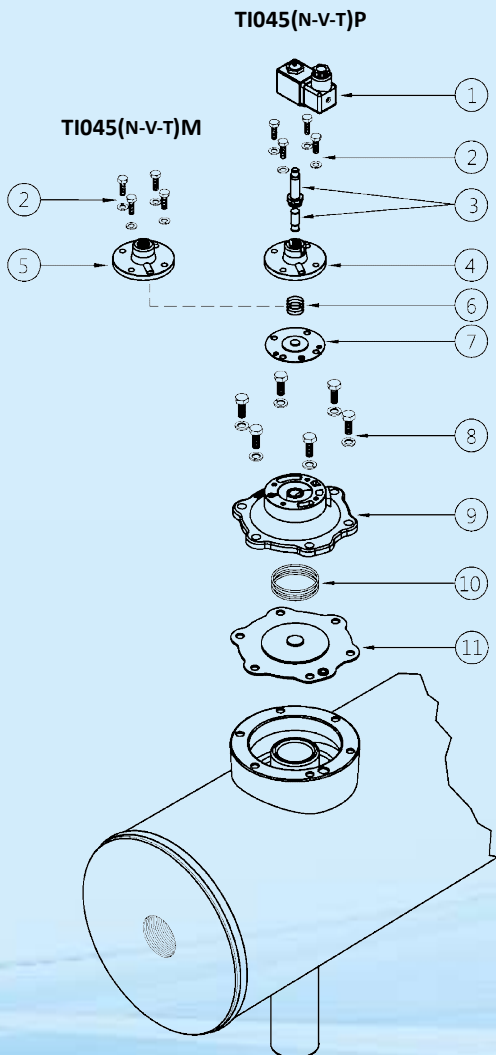
|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X18X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251715                                                            |
| 5  | Remote cover                | 1251745                                                            |
| 6  | Diaphragm spring            | 3241006                                                            |
| 7  | Secondary diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| 8  | Screws - Washers            | TKITVTE08X20X6                                                     |
| 9  | Cover                       | 1251840                                                            |
| 10 | Diaphragm spring            | 3241024                                                            |
| 11 | Primary diaphragm (N-V-T)   | TKISM045N Neoprene<br>TKISM045V Viton<br>TKISM045T Low temperature |

V## / V## = 24 Vdc - 24 Vac  
- 115 Vac - 230 Vac

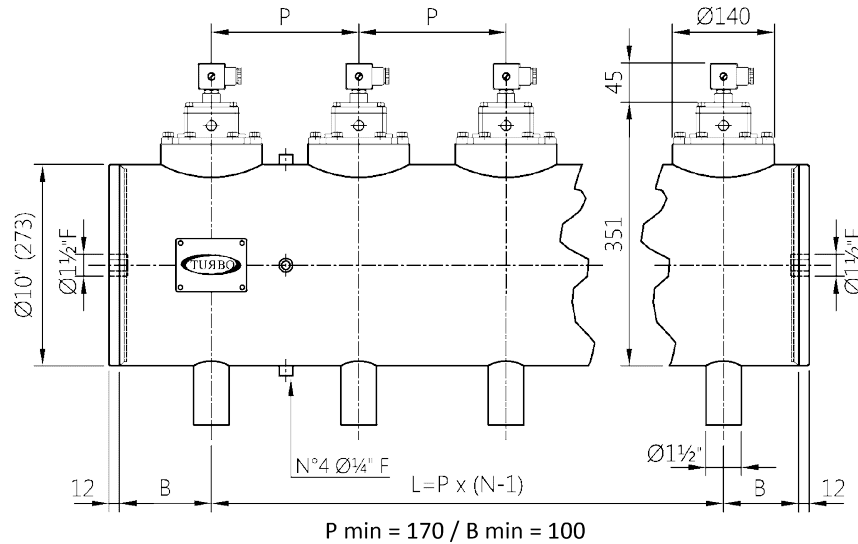
## BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT A = 270  
SM = MEDIUM SUPPORT A = 210  
SB = LOW SUPPORT A = 134

SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4



## 10" INTEGRAL SERIES WITH 1½" DN VALVES

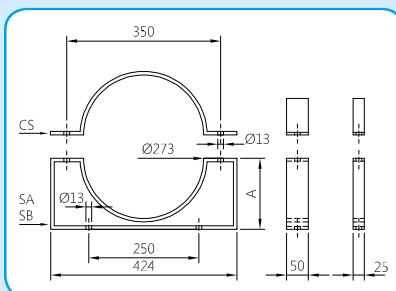


For special versions of P min and B min, please contact our technical department

## DESCRIPTION

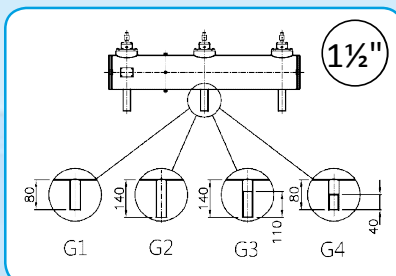
## TI040(N-V-T)P / TI040(N-V-T)M

|           |                                |                                                                    |
|-----------|--------------------------------|--------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector               | BH10 V## / V##                                                     |
| <b>2</b>  | Screws - Washers               | TKITVTE06X20X4                                                     |
| <b>3</b>  | Pilot unit                     | 1331080                                                            |
| <b>4</b>  | Pilot cover                    | 1251750                                                            |
| <b>5</b>  | Remote cover                   | 1251770                                                            |
| <b>6</b>  | Secondary diaphragm<br>(N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| <b>6a</b> | Diaphragm spring               | 3241002                                                            |
| <b>7</b>  | Screws - Washers               | TKITVTE08X20X6                                                     |
| <b>8</b>  | Cover                          | 1251620                                                            |
| <b>9</b>  | Diaphragm spring               | 3241024                                                            |
| <b>10</b> | Primary Diaphragm<br>(N-V-T)   | TKISM040N Neoprene<br>TKISM040V Viton<br>TKISM040T Low temperature |

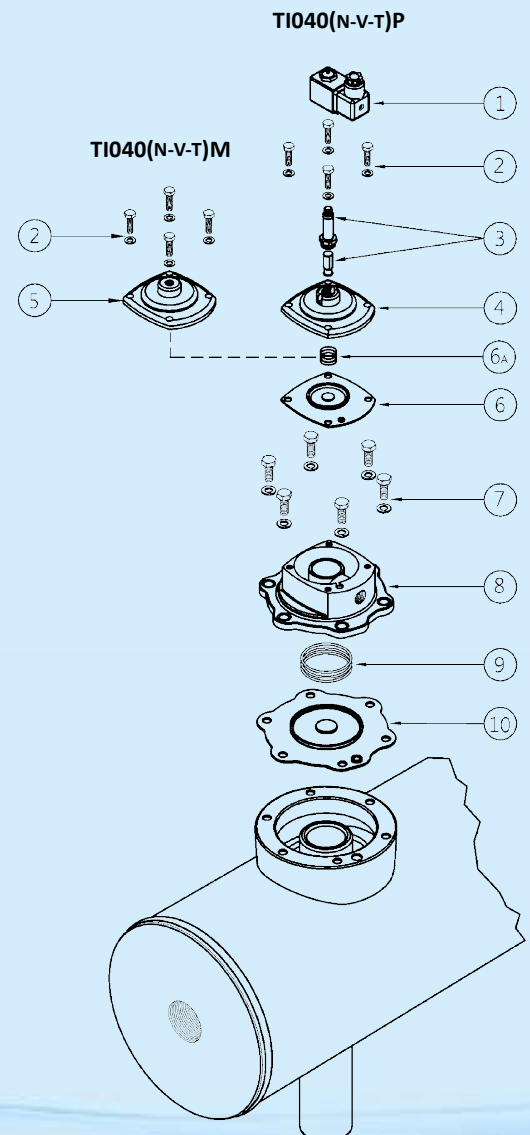

$$V_{\text{##}} / V_{\text{##}} = 24 \text{ Vdc} - 24 \text{ Vac} - 115 \text{ Vac} - 230 \text{ Vac}$$

## BRACKETS

CS = COLLAR  
SA = HIGH SUPPORT      A = 273  
SB = LOW SUPPORT      A = 161

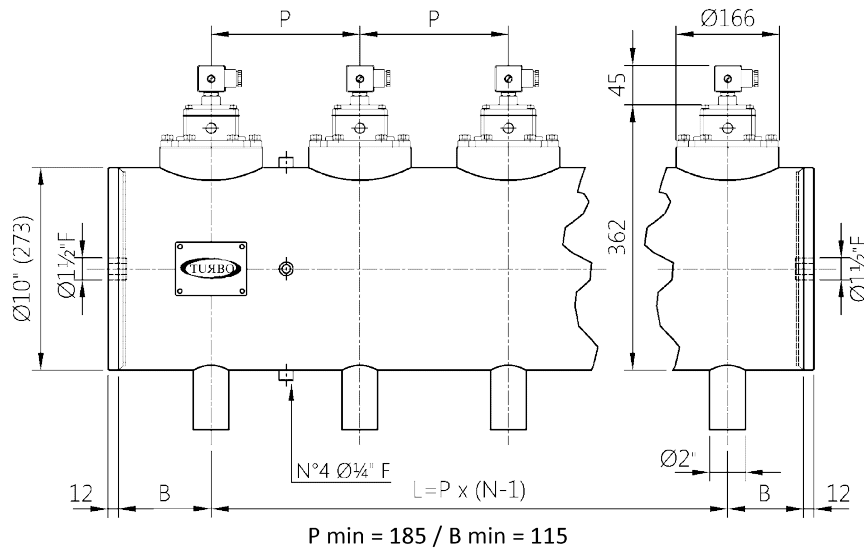


SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4





# 10" INTEGRAL SERIES WITH 2" DN VALVES



For special versions of P min and B min, please contact our technical department

## DESCRIPTION

## TI050(N-V-T)P / TI050(N-V-T)M

|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X20X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251750                                                            |
| 5  | Remote cover                | 1251770                                                            |
| 6  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a | Diaphragm spring            | 3241002                                                            |
| 7  | Screws - Washers            | TKITVTE10X25X6                                                     |
| 8  | Cover                       | 1251650                                                            |
| 9  | Diaphragm spring            | 3241024                                                            |
| 10 | Primary Diaphragm (N-V-T)   | TKISM050N Neoprene<br>TKISM050V Viton<br>TKISM050T Low temperature |

V## / V## = 24 Vdc - 24 Vac  
- 115 Vac - 230 Vac

## BRACKETS

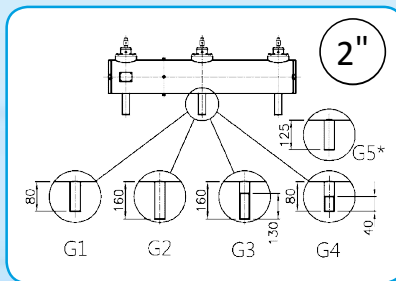
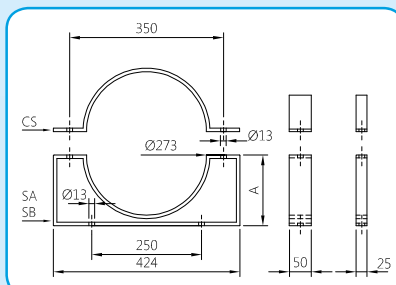
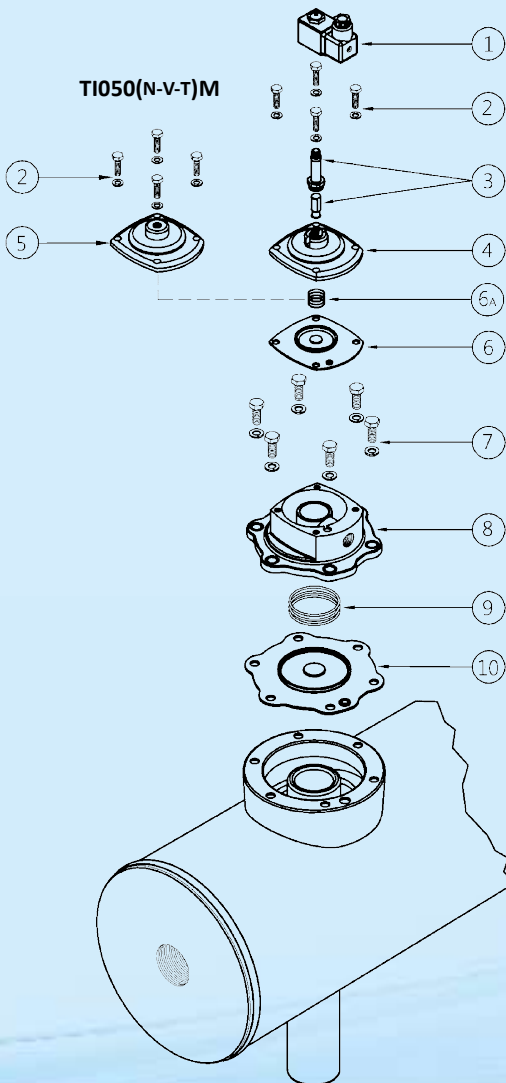
CS = COLLAR  
SA = HIGH SUPPORT A = 273  
SB = LOW SUPPORT A = 161

SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

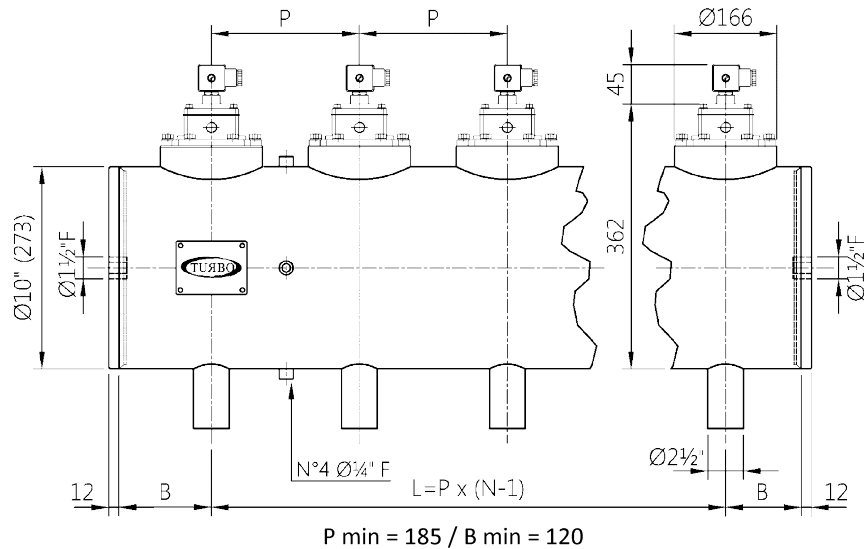
G5(\*) USED FOR COUPLING WITH PD55  
BULK CONNECTORS VIA  
SA10 BRACKET

## TI050(N-V-T)P

## TI050(N-V-T)M

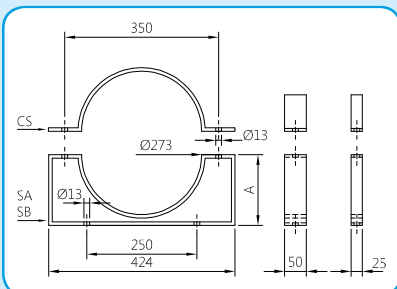


## 10" INTEGRAL SERIES WITH 2½" DN VALVES



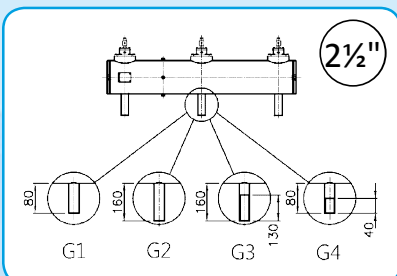
For special versions of P min and B min, please contact our technical department

| DESCRIPTION |                                | TI060(N-V-T)P / TI060(N-V-T)M                                      |
|-------------|--------------------------------|--------------------------------------------------------------------|
| 1           | Coil - Connector               | BH10 V## / V##                                                     |
| 2           | Screws - Washers               | TKITVTE06X20X4                                                     |
| 3           | Pilot unit                     | 1331080                                                            |
| 4           | Pilot cover                    | 1251750                                                            |
| 5           | Remote cover                   | 1251770                                                            |
| 6           | Secondary diaphragm<br>(N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a          | Diaphragm spring               | 3241002                                                            |
| 7           | Screws - Washers               | TKITVTE10X25X6                                                     |
| 8           | Cover                          | 1251650                                                            |
| 9           | Diaphragm spring               | 3241024                                                            |
| 10          | Primary Diaphragm<br>(N-V-T)   | TKISM060N Neoprene<br>TKISM060V Viton<br>TKISM060T Low temperature |

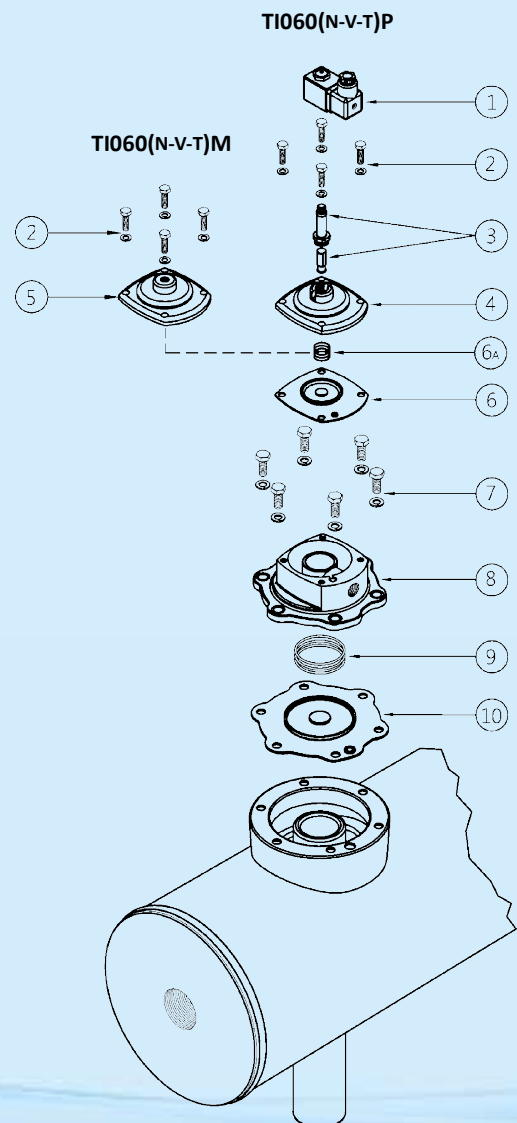

$$V_{\text{##}} / V_{\text{##}} = 24 \text{ Vdc} - 24 \text{ Vac} - 115 \text{ Vac} - 230 \text{ Vac}$$

## BRACKETS

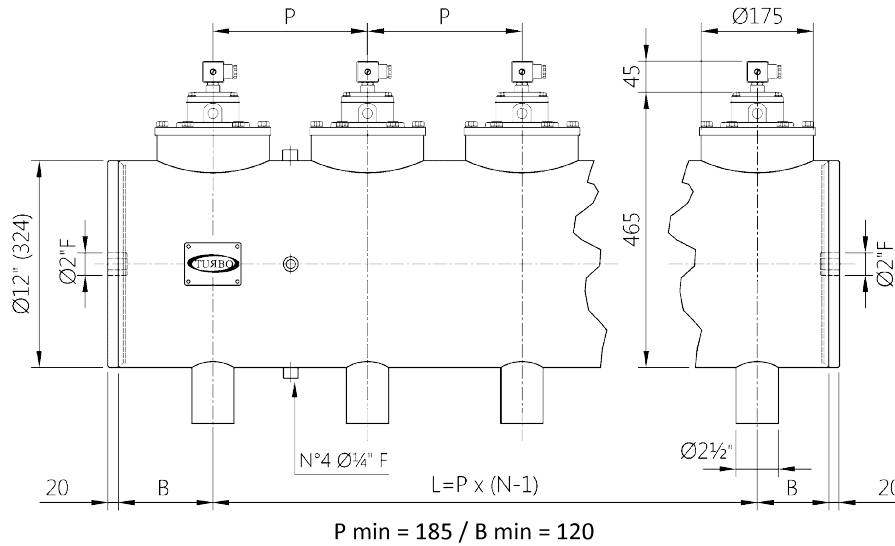
CS = COLLAR  
SA = HIGH SUPPORT      A = 273  
SB = LOW SUPPORT      A = 161



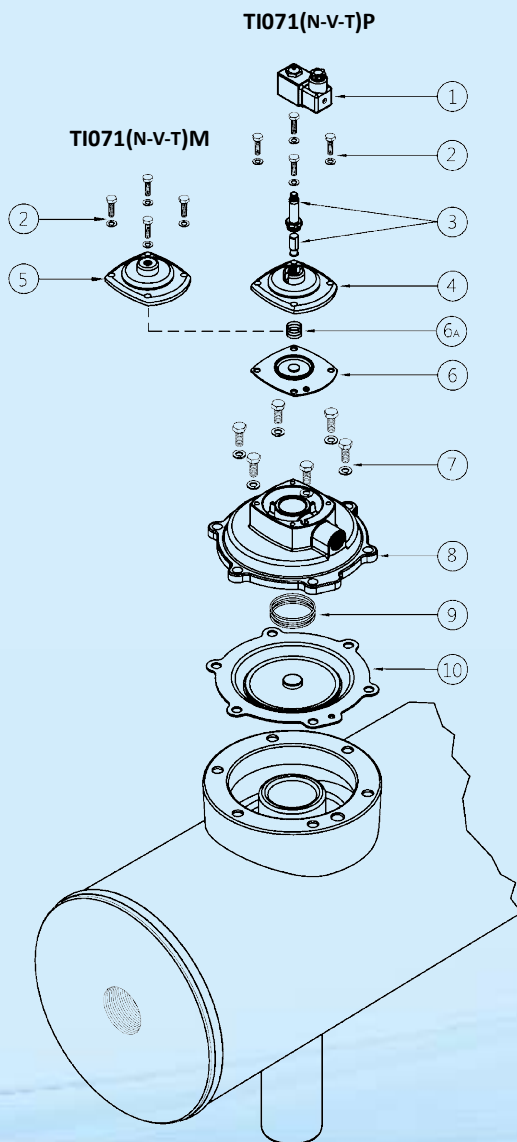
SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4



# 12" INTEGRAL SERIES WITH 2½" DN VALVES



For special versions of P min and B min, please contact our technical department

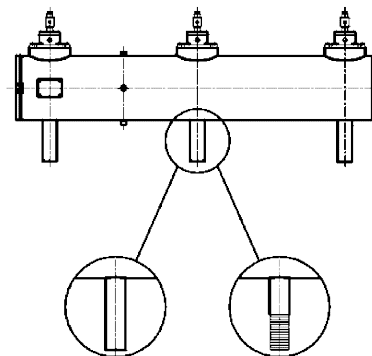


## DESCRIPTION

## TI071(N-V-T)P / TI071(N-V-T)M

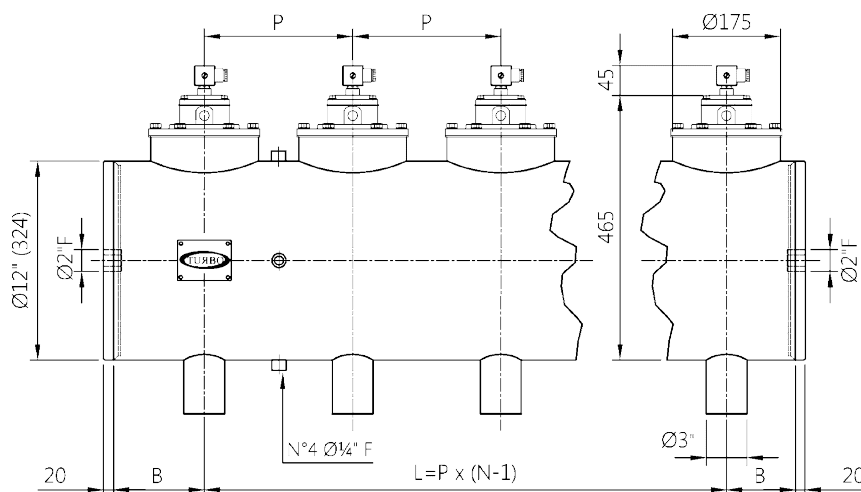
|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X20X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251750                                                            |
| 5  | Remote cover                | 1251770                                                            |
| 6  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a | Diaphragm spring            | 3241002                                                            |
| 7  | Screws - Washers            | TKITVTE10X25X6                                                     |
| 8  | Cover                       | 1251850                                                            |
| 9  | Diaphragm spring            | 3241024                                                            |
| 10 | Primary Diaphragm (N-V-T)   | TKISM080N Neoprene<br>TKISM080V Viton<br>TKISM080T Low temperature |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



The customer is responsible for the size and type of outlet pipe

## 12" INTEGRAL SERIES WITH 3" DN VALVES



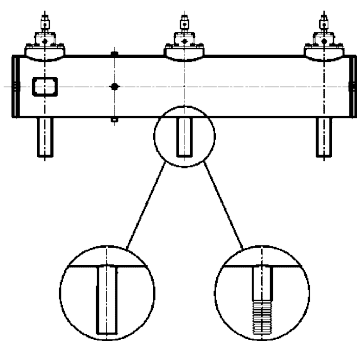
P min = 215 / B min = 125

For special versions of P min and B min, please contact our technical department

### DESCRIPTION TI075(N-V-T)P / TI075(N-V-T)M

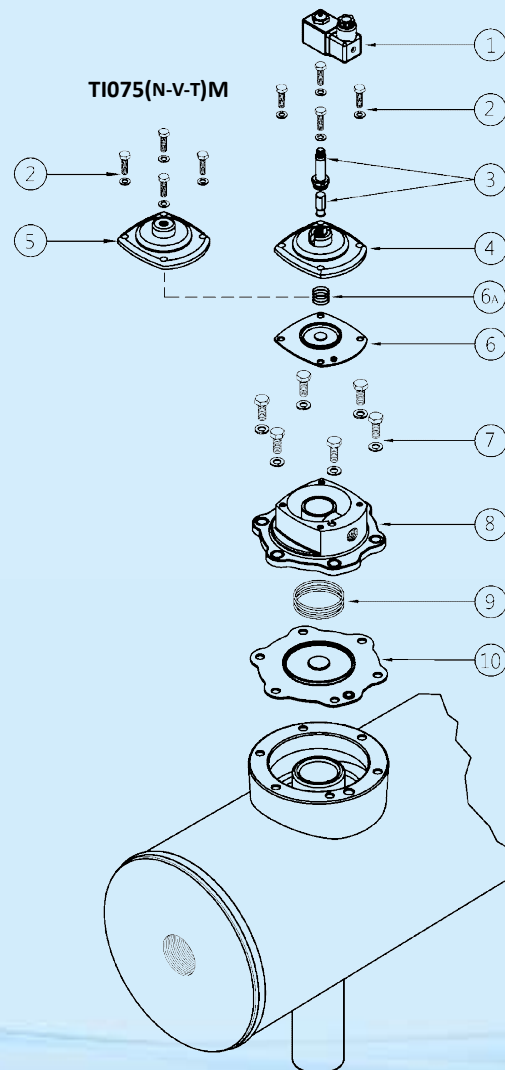
|           |                             |                                                                    |
|-----------|-----------------------------|--------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector            | BH10 V## / V##                                                     |
| <b>2</b>  | Screws - Washers            | TKITVTE06X20X4                                                     |
| <b>3</b>  | Pilot unit                  | 1331080                                                            |
| <b>4</b>  | Pilot cover                 | 1251750                                                            |
| <b>5</b>  | Remote cover                | 1251770                                                            |
| <b>6</b>  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| <b>6a</b> | Diaphragm spring            | 3241002                                                            |
| <b>7</b>  | Screws - Washers            | TKITVTE10X25X6                                                     |
| <b>8</b>  | Cover                       | 1251660                                                            |
| <b>9</b>  | Diaphragm spring            | 3241024                                                            |
| <b>10</b> | Primary Diaphragm (N-V-T)   | TKISM075N Neoprene<br>TKISM075V Viton<br>TKISM075T Low temperature |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac

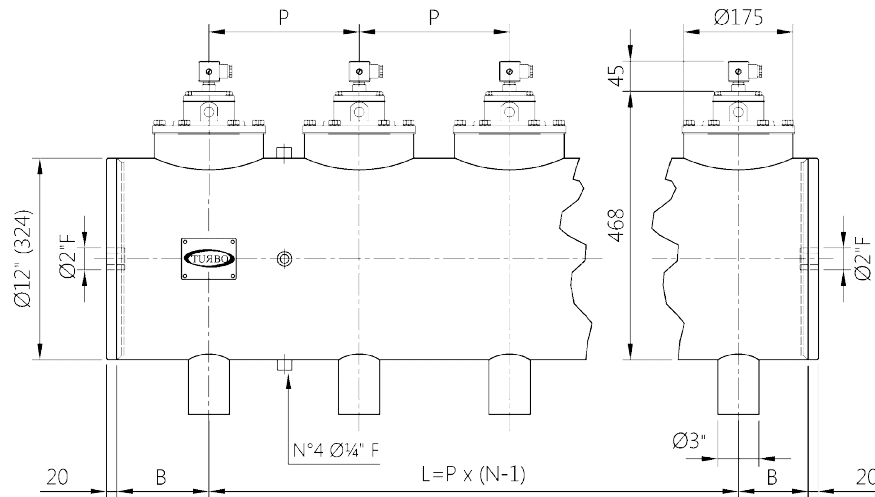


The customer is responsible for the size and type of outlet pipe

### TI075(N-V-T)P

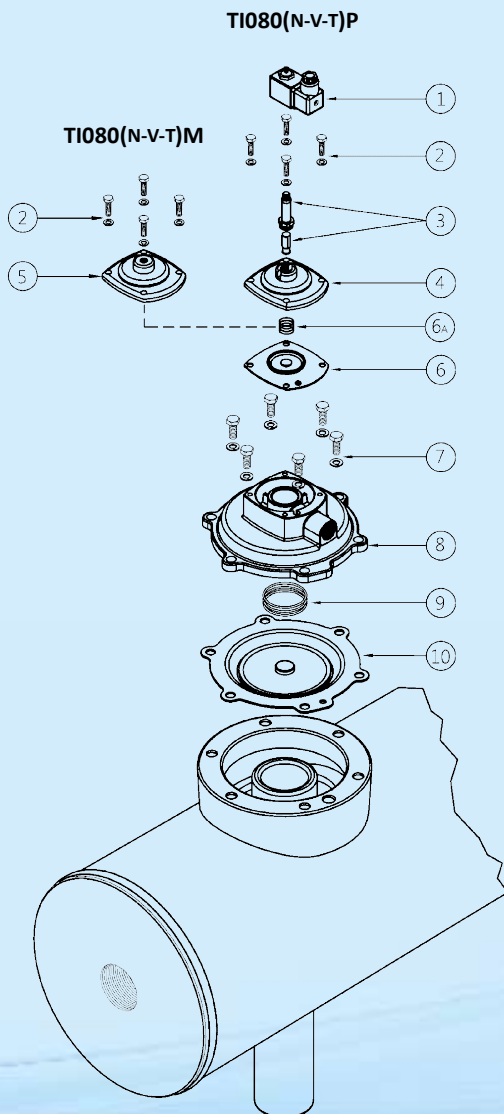


# 12" INTEGRAL SERIES WITH 3" DN VALVES



P min = 215 / B min = 125

For special versions of P min and B min, please contact our technical department

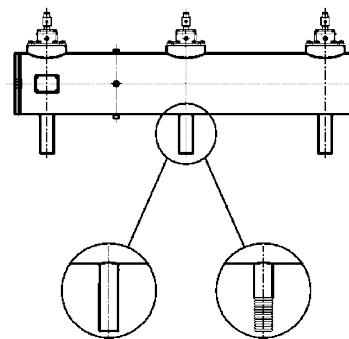


## DESCRIPTION

## TI080(N-V-T)P / TI080(N-V-T)M

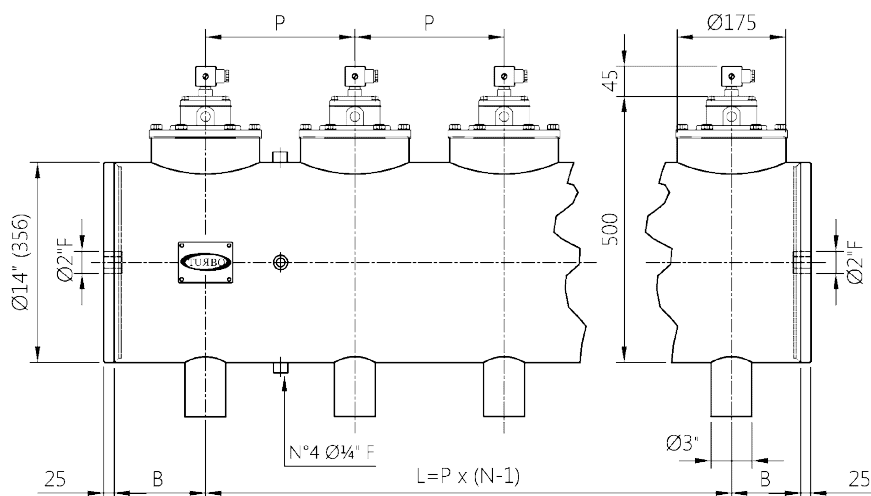
|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X20X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251750                                                            |
| 5  | Remote cover                | 1251770                                                            |
| 6  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a | Diaphragm spring            | 3241002                                                            |
| 7  | Screws - Washers            | TKITVTE10X25X6                                                     |
| 8  | Cover                       | 1251850                                                            |
| 9  | Diaphragm spring            | 3241024                                                            |
| 10 | Primary Diaphragm (N-V-T)   | TKISM080N Neoprene<br>TKISM080V Viton<br>TKISM080T Low temperature |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



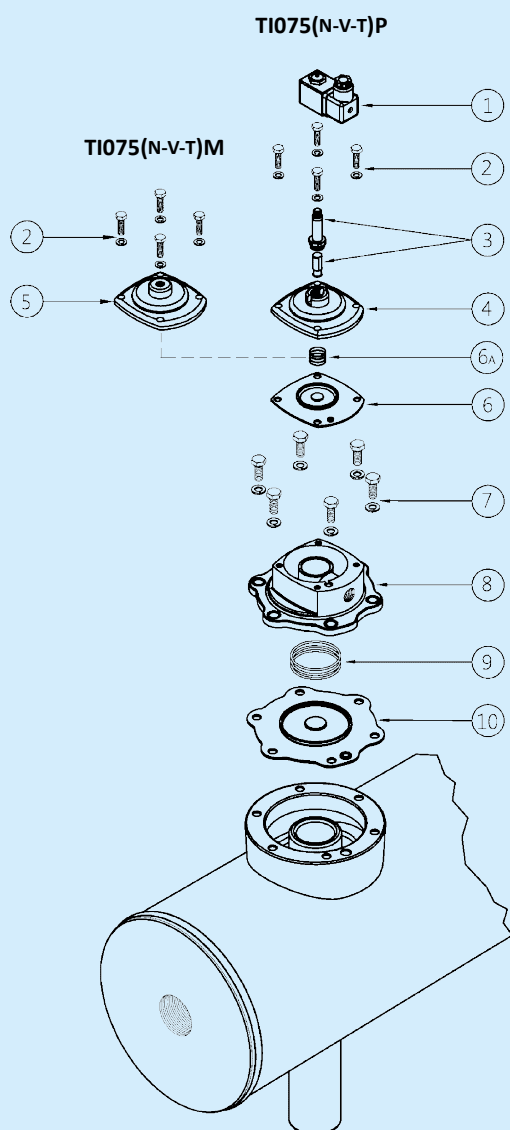
The customer is responsible for the size and type of outlet pipe

## 14" INTEGRAL SERIES WITH 3" DN VALVES



P min = 215 / B min = 125

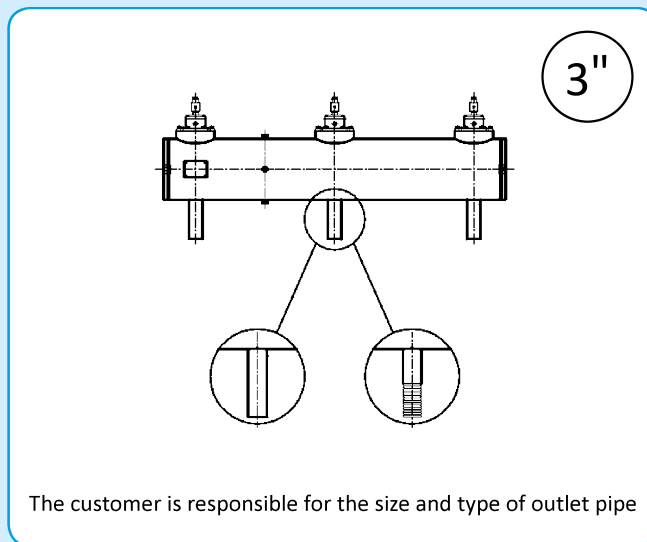
For special versions of P min and B min, please contact our technical department



### DESCRIPTION

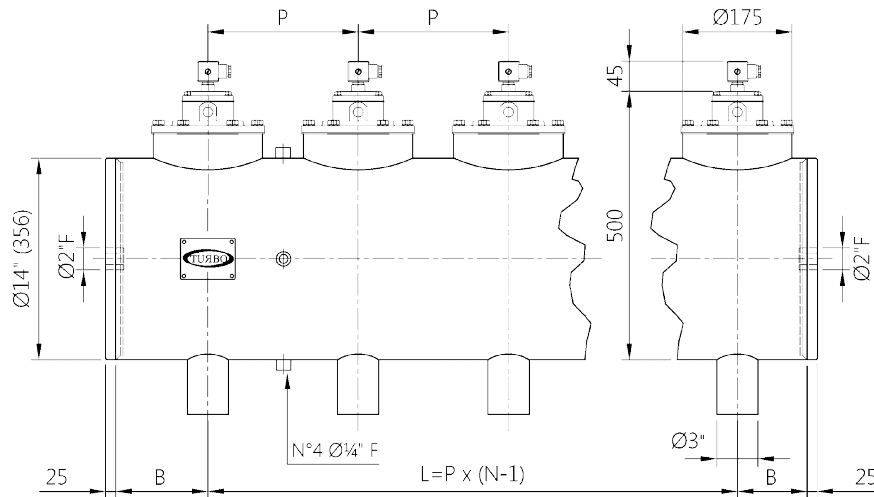
|    |                             | TI075(N-V-T)P / TI075(N-V-T)M                                      |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X20X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251750                                                            |
| 5  | Remote cover                | 1251770                                                            |
| 6  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a | Diaphragm spring            | 3241002                                                            |
| 7  | Screws - Washers            | TKITVTE10X25X6                                                     |
| 8  | Cover                       | 1251660                                                            |
| 9  | Diaphragm spring            | 3241024                                                            |
| 10 | Primary Diaphragm (N-V-T)   | TKISM075N Neoprene<br>TKISM075V Viton<br>TKISM075T Low temperature |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



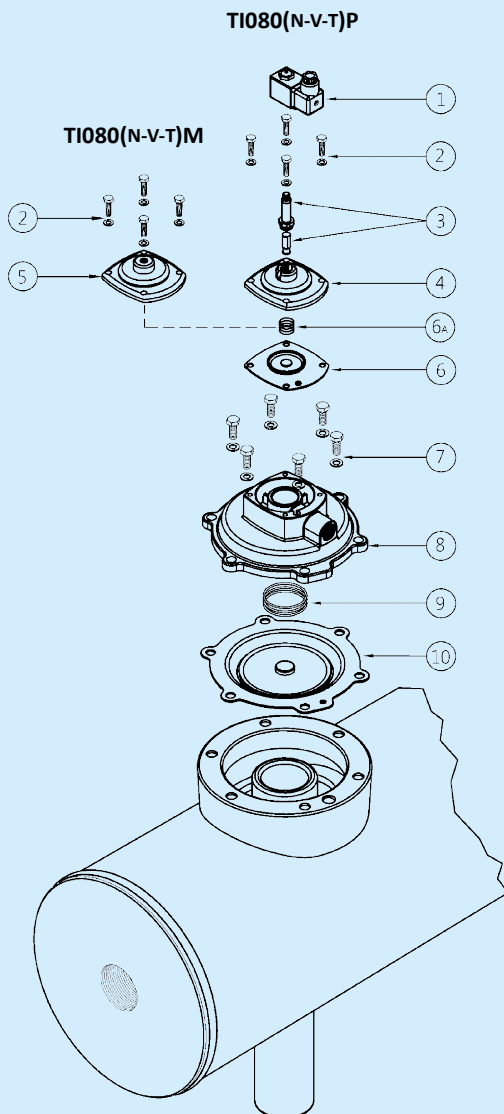
The customer is responsible for the size and type of outlet pipe

# 14" INTEGRAL SERIES WITH 3" DN VALVES



P min = 215 / B min = 125

For special versions of P min and B min, please contact our technical department

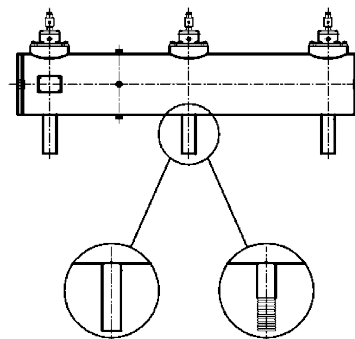


## DESCRIPTION

## TI080(N-V-T)P / TI080(N-V-T)M

|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X20X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251750                                                            |
| 5  | Remote cover                | 1251770                                                            |
| 6  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a | Diaphragm spring            | 3241002                                                            |
| 7  | Screws - Washers            | TKITVTE10X25X6                                                     |
| 8  | Cover                       | 1251850                                                            |
| 9  | Diaphragm spring            | 3241024                                                            |
| 10 | Primary Diaphragm (N-V-T)   | TKISM080N Neoprene<br>TKISM080V Viton<br>TKISM080T Low temperature |

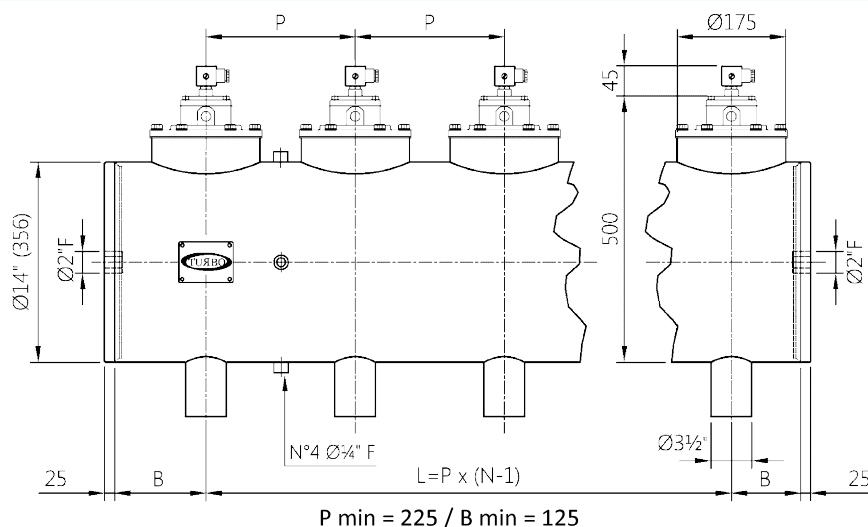
V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



The customer is responsible for the size and type of outlet pipe



## 14" INTEGRAL SERIES WITH 3½" DN VALVES

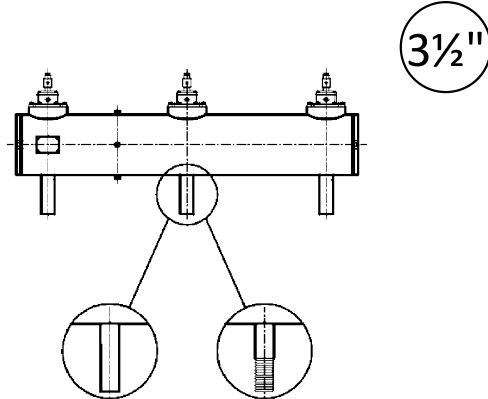


For special versions of P min and B min, please contact our technical department

### DESCRIPTION TI0100(N-V-T)P / TI0100(N-V-T)M

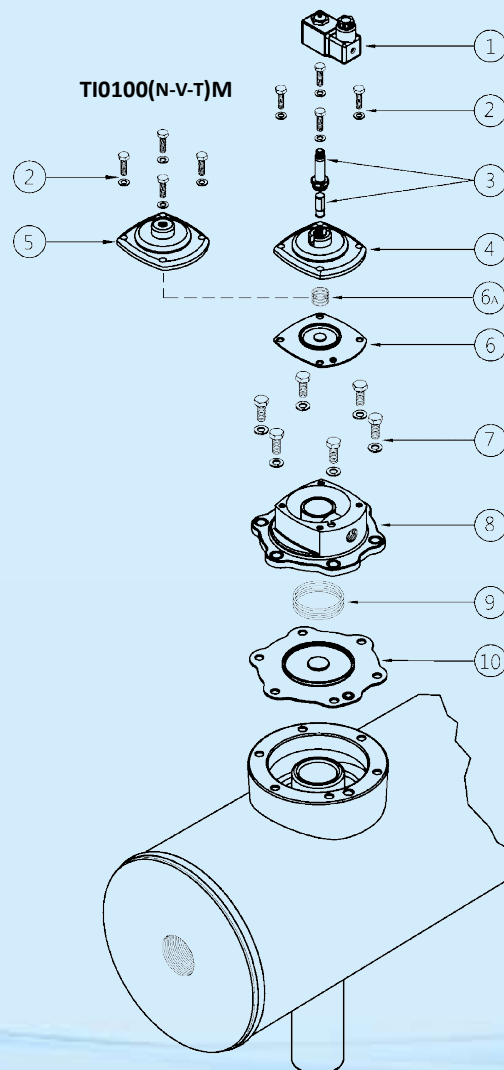
|           |                             |                                                                       |
|-----------|-----------------------------|-----------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector            | BH10 V## / V##                                                        |
| <b>2</b>  | Screws - Washers            | TKITVTE06X20X4                                                        |
| <b>3</b>  | Pilot unit                  | 1331080                                                               |
| <b>4</b>  | Pilot cover                 | 1251750                                                               |
| <b>5</b>  | Remote cover                | 1251770                                                               |
| <b>6</b>  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature    |
| <b>6a</b> | Diaphragm spring            | 3241002                                                               |
| <b>7</b>  | Screws - Washers            | TKITVTE10X25X6                                                        |
| <b>8</b>  | Cover                       | 1251660                                                               |
| <b>9</b>  | Diaphragm spring            | 3241024                                                               |
| <b>10</b> | Primary Diaphragm (N-V-T)   | TKISM0100N Neoprene<br>TKISM0100V Viton<br>TKISM0100T Low temperature |

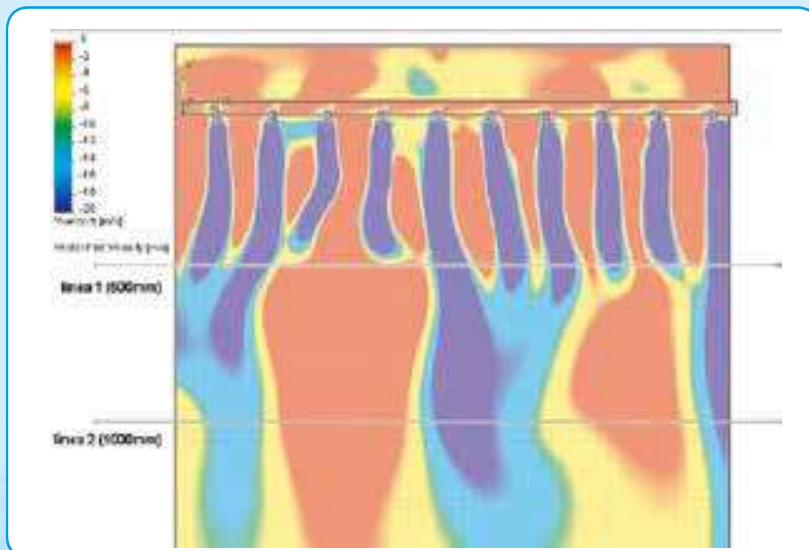
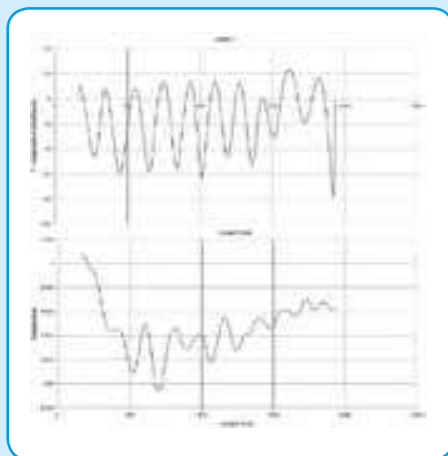
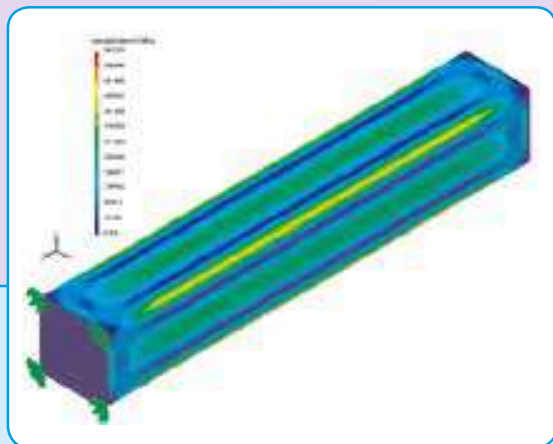
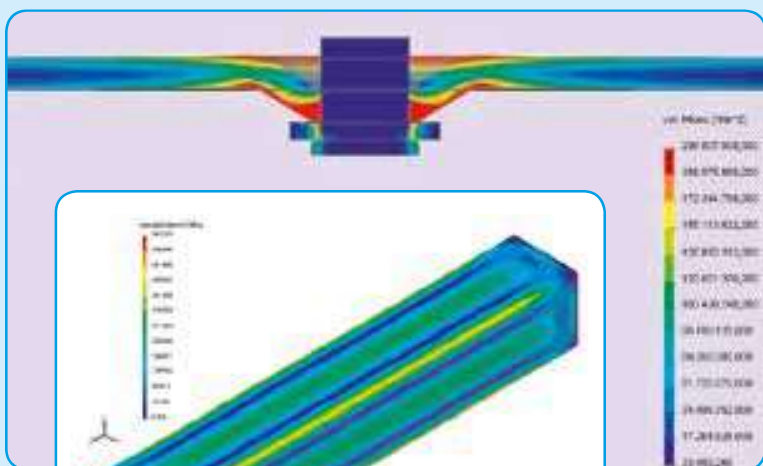
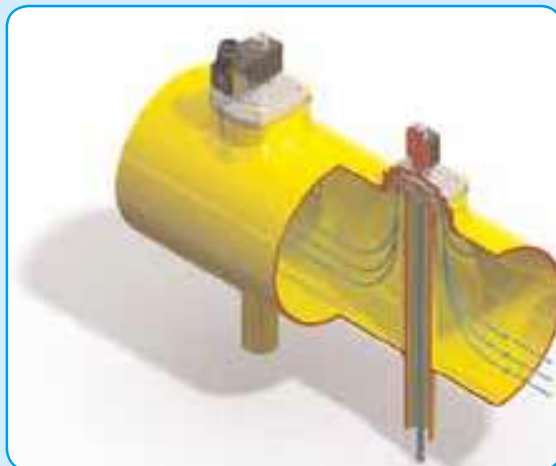
V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



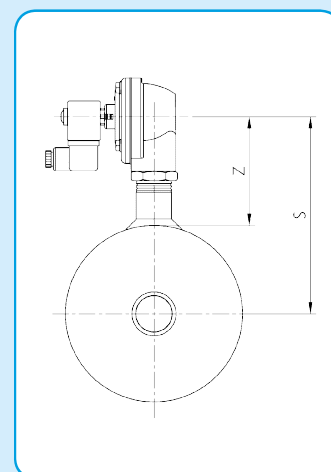
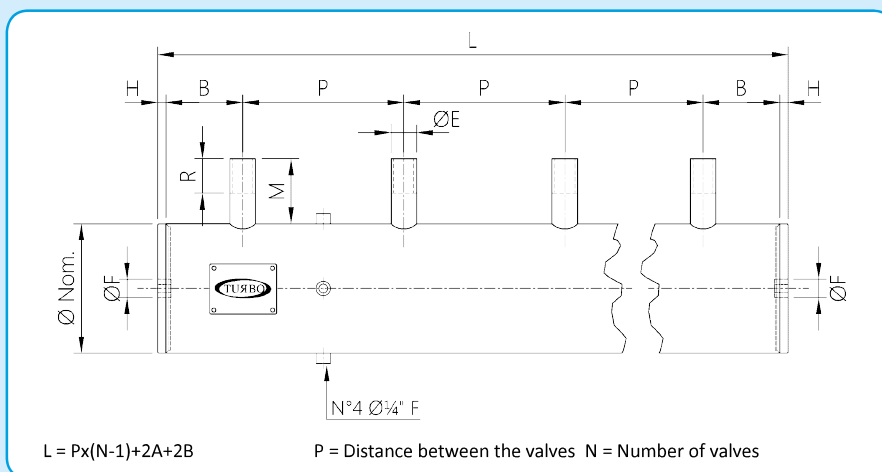
The customer is responsible for the size and type of outlet pipe

### TI0100(N-V-T)P





## 5" - 6" - 8" - 10" - 12" - 14" DN TF SERIES

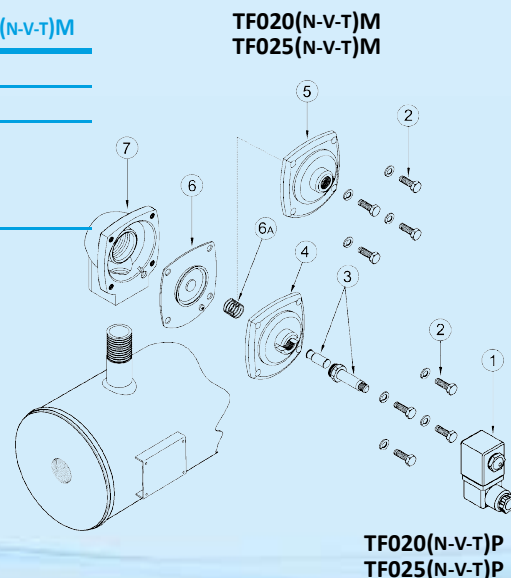


For special versions of P min and B min, please contact our technical department

| Ø (Nom.) | Ø(out) mm | ØE   | B(min) | ØF   | H  | M   | R  | Z(±) | S(±) | P(min) |
|----------|-----------|------|--------|------|----|-----|----|------|------|--------|
| 5"       | 141.3     | ¾"   | 45     | 1"   | 10 | 85  | 40 | 120  | 190  | 85     |
| 5"       | 141.3     | 1"   | 45     | 1"   | 10 | 85  | 40 | 120  | 190  | 85     |
| 6"       | 168.3     | ¾"   | 45     | 1"   | 10 | 85  | 40 | 120  | 204  | 85     |
| 6"       | 168.3     | 1"   | 45     | 1"   | 10 | 85  | 40 | 120  | 204  | 85     |
| 6"       | 168.3     | 1 ½" | 55     | 1"   | 10 | 85  | 40 | 136  | 220  | 150    |
| 8"       | 219.1     | 1"   | 45     | 1 ½" | 10 | 85  | 40 | 120  | 229  | 85     |
| 8"       | 219.1     | 1 ½" | 55     | 1 ½" | 10 | 85  | 40 | 136  | 245  | 150    |
| 8"       | 219.1     | 2"   | 60     | 1 ½" | 10 | 75  | 40 | 164  | 273  | 210    |
| 10"      | 273       | 1 ½" | 55     | 1 ½" | 12 | 85  | 40 | 136  | 272  | 150    |
| 10"      | 273       | 2"   | 60     | 1 ½" | 12 | 75  | 40 | 164  | 300  | 210    |
| 10"      | 273       | 2 ½" | 70     | 1 ½" | 12 | 70  | 45 | 164  | 300  | 210    |
| 12"      | 324       | 2"   | 60     | 2"   | 20 | 75  | 40 | 164  | 325  | 210    |
| 12"      | 324       | 2 ½" | 65     | 2"   | 20 | 75  | 40 | 164  | 325  | 210    |
| 14"      | 356       | 2 ½" | 80     | 2"   | 25 | 70  | 45 | 164  | 342  | 210    |
| 14"      | 356       | 3"   | 110    | 2"   | 25 | 100 | 65 | 210  | 390  | 280    |

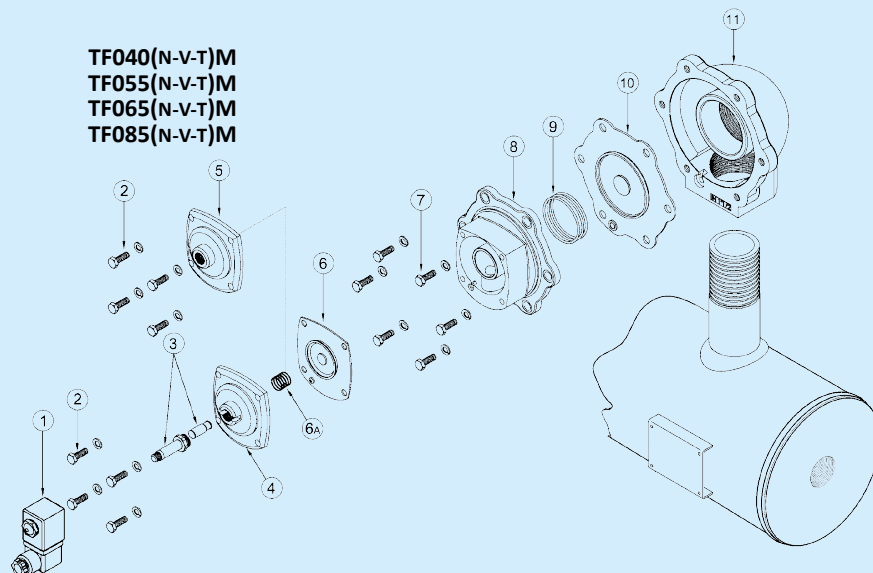
| DESCRIPTION                | TF020(N-V-T)P / TF020(N-V-T)M                                      | TF025(N-V-T)P / TF025(N-V-T)M                                      |
|----------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>1</b> Coil + Connector  | BH10 V## / V##                                                     | BH10 V## / V##                                                     |
| <b>2</b> Screws + Washers  | TKITVTE06X20X4                                                     | TKITVTE06X20X4                                                     |
| <b>3</b> Pilot unit        | 1331080                                                            | 1331080                                                            |
| <b>4</b> Pilot cover       | 1251750                                                            | 1251750                                                            |
| <b>5</b> Remote cover      | 1251770                                                            | 1251770                                                            |
| <b>6</b> Diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| <b>6a</b> Diaphragm spring | 3241002                                                            | 3241002                                                            |
| <b>7</b> Valve body        | 1251120                                                            | 1251190                                                            |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



# 5" - 6" - 8" - 10" - 12" - 14" DN TF SERIES

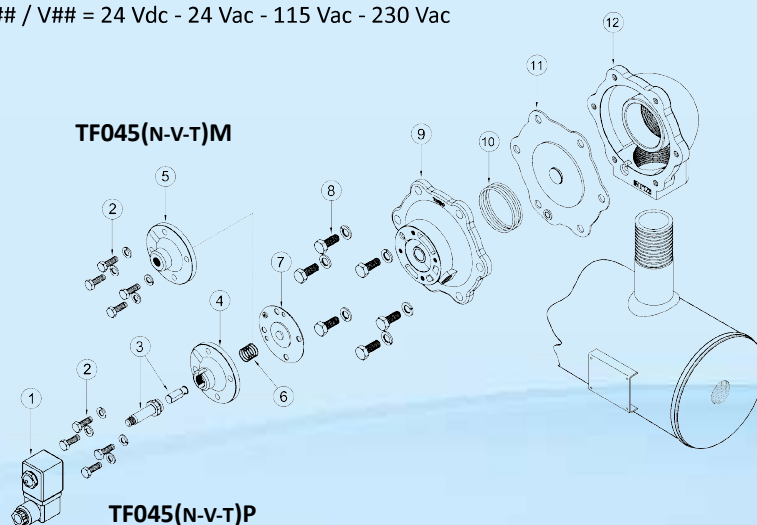
TF040(N-V-T)P  
TF055(N-V-T)P  
TF065(N-V-T)P  
TF085(N-V-T)P



| DESCRIPTION                   | TF040(N-V-T)P<br>TF040(N-V-T)M                                     | TF055(N-V-T)P<br>TF055(N-V-T)M                                     | TF065(N-V-T)P<br>TF065(N-V-T)M                                     | TF085(N-V-T)P<br>TF085(N-V-T)M                                     |
|-------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| 1 Coil + Connector            | BH10 V## / V##                                                     | BH10 V## / V##                                                     | BH10 V## / V##                                                     | BH10 V## / V##                                                     |
| 2 Screws + Washers            | TKITVTE06X20X4                                                     | TKITVTE06X20X4                                                     | TKITVTE06X20X4                                                     | TKITVTE06X20X4                                                     |
| 3 Pilot unit                  | 1331080                                                            | 1331080                                                            | 1331080                                                            | 1331080                                                            |
| 4 Pilot cover                 | 1251750                                                            | 1251750                                                            | 1251750                                                            | 1251750                                                            |
| 5 Remote cover                | 1251770                                                            | 1251770                                                            | 1251770                                                            | 1251770                                                            |
| 6 Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 6a Diaphragm spring           | 3241002                                                            | 3241002                                                            | 3241002                                                            | 3241002                                                            |
| 7 Screws + Washers            | TKITVTE08X20X6                                                     | TKITVTE10X25X6                                                     | TKITVTE10X25X6                                                     | TKITVTE10X30X8                                                     |
| 8 Cover                       | 1251620                                                            | 1251660                                                            | 1251660                                                            | 1251680                                                            |
| 9 Diaphragm spring            | 3241024                                                            | 3241024                                                            | 3241024                                                            | 3241024                                                            |
| 10 Primary diaphragm (N-V-T)  | TKISM040N Neoprene<br>TKISM040V Viton<br>TKISM040T Low temperature | TKISM055N Neoprene<br>TKISM055V Viton<br>TKISM055T Low temperature | TKISM065N Neoprene<br>TKISM065V Viton<br>TKISM065T Low temperature | TKISM085N Neoprene<br>TKISM085V Viton<br>TKISM085T Low temperature |
| 11 Valve body                 | 1251400                                                            | 1251470                                                            | 1251500                                                            | 1251570                                                            |

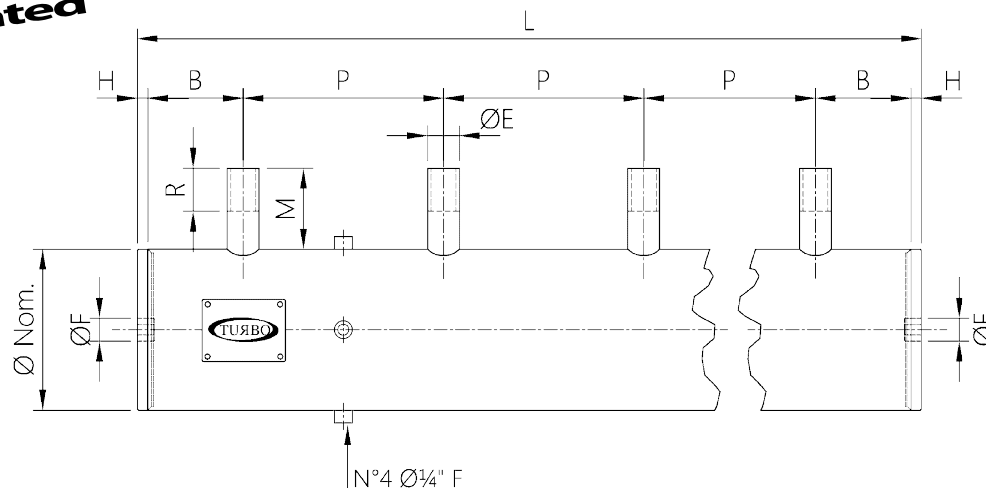
| DESCRIPTION                   | TF045(N-V-T)P / TF045(N-V-T)M                                      |
|-------------------------------|--------------------------------------------------------------------|
| 1 Coil - Connector            | BH10 V## / V##                                                     |
| 2 Screws - Washers            | TKITVTE06X18X4                                                     |
| 3 Pilot unit                  | 1331080                                                            |
| 4 Pilot cover                 | 1251715                                                            |
| 5 Remote cover                | 1251745                                                            |
| 6 Diaphragm spring            | 3241006                                                            |
| 7 Secondary diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| 8 Screws - Washers            | TKITVTE08X20X6                                                     |
| 9 Cover                       | 1251840                                                            |
| 10 Diaphragm spring           | 3241024                                                            |
| 11 Primary Diaphragm (N-V-T)  | TKISM045N Neoprene<br>TKISM045V Viton<br>TKISM045T Low temperature |
| 12 Valve body                 | 1251400                                                            |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



TFP version with built-in pilot / TFM version with remote pilot

## 6"- 8" TL SERIES

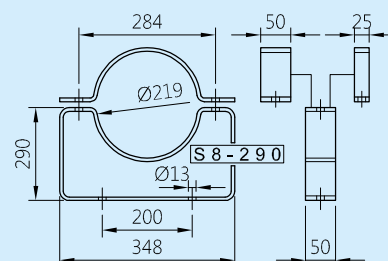
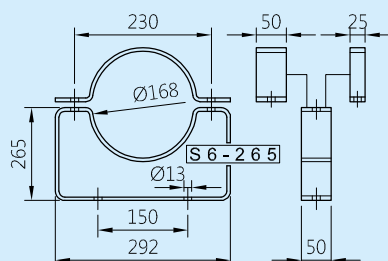
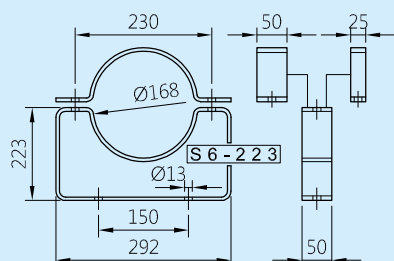


$$L = Px(N-1) + 2A + 2B$$

P = Distance between the valves N = Number of valves

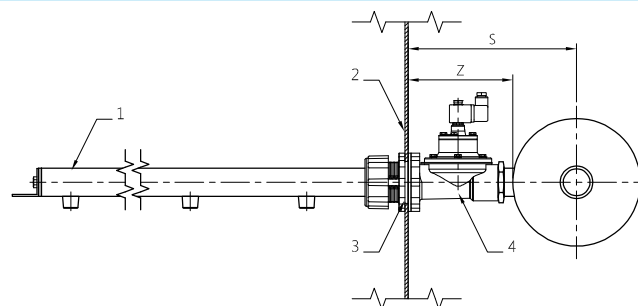
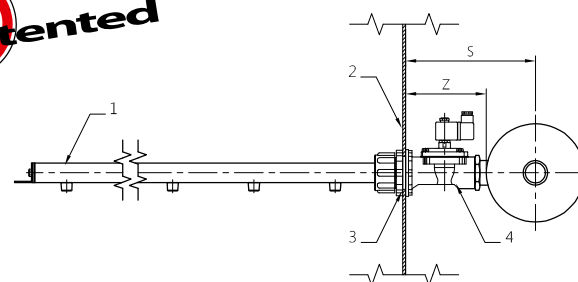
For special versions of P min and B min, please contact our technical department

| Ø  | Ø(out) mm | ØE     | A  | B(min) | ØF     | H  | M  | R  | Z(±) | S(±) | P(min) | Brackets |
|----|-----------|--------|----|--------|--------|----|----|----|------|------|--------|----------|
| 6" | 168.3     | 1 1/4" | 50 | 50     | 1"     | 10 | 45 | 30 | 139  | 223  | 85     | S6-223   |
| 6" | 168.3     | 2"     | 50 | 60     | 1"     | 10 | 45 | 30 | 180  | 265  | 120    | S6-265   |
| 8" | 219.1     | 2"     | 70 | 60     | 1 1/2" | 10 | 45 | 30 | 180  | 290  | 120    | S8-290   |



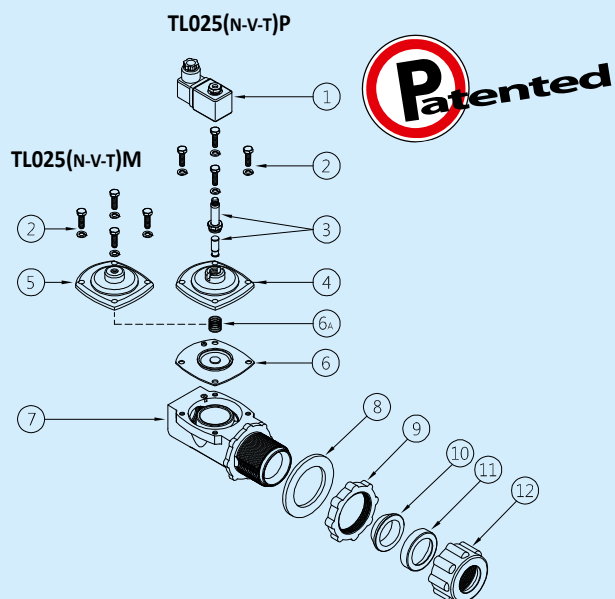
1. 1" AIR CANNON
2. FILTER WALL
3. ASSEMBLY HOLE MIN Ø 56 mm
4. 1" STRAIGHT THROUGH VALVE

1. 1 1/2" AIR CANNON
2. FILTER WALL
3. ASSEMBLY HOLE MIN Ø 72 mm
4. 1 1/2" STRAIGHT THROUGH VALVE



## TL SERIES / PART LIST

**HEADER** TANKS WITH THREADED STUBS  
FOR STRAIGHT THROUGH VALVES

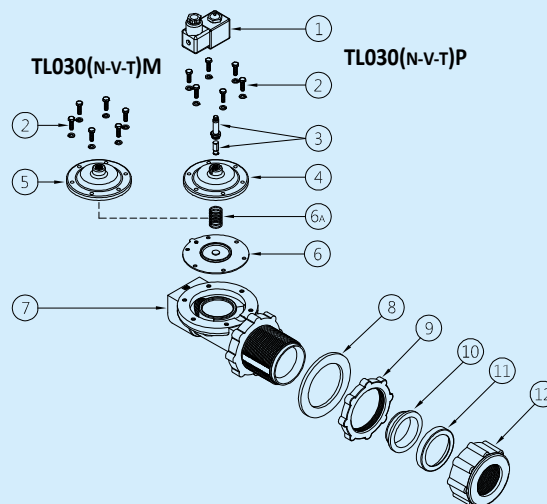


### DESCRIPTION TL030(N-V-T)P / TL030(N-V-T)M

|           |                     |                                                                    |
|-----------|---------------------|--------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector    | BH10 V## / V##                                                     |
| <b>2</b>  | Screws - Washers    | TKITVTE06X20X6                                                     |
| <b>3</b>  | Pilot unit          | 1331080                                                            |
| <b>4</b>  | Pilot cover         | 1251802                                                            |
| <b>5</b>  | Remote cover        | 1251805                                                            |
| <b>6a</b> | Diaphragm spring    | 3241018                                                            |
| <b>6</b>  | Diaphragm (N-V-T)   | TKISM030N Neoprene<br>TKISM030V Viton<br>TKISM030T Low temperature |
| <b>7</b>  | Valve body          | 1251330                                                            |
| <b>8</b>  | Seal                | 3141706                                                            |
| <b>9</b>  | Lock nut            | 3181032                                                            |
| <b>10</b> | Conical seal        | 3301017                                                            |
| <b>11</b> | Retaining ring      | 1321012                                                            |
| <b>12</b> | Hose Clamp High Nut | 1281050                                                            |

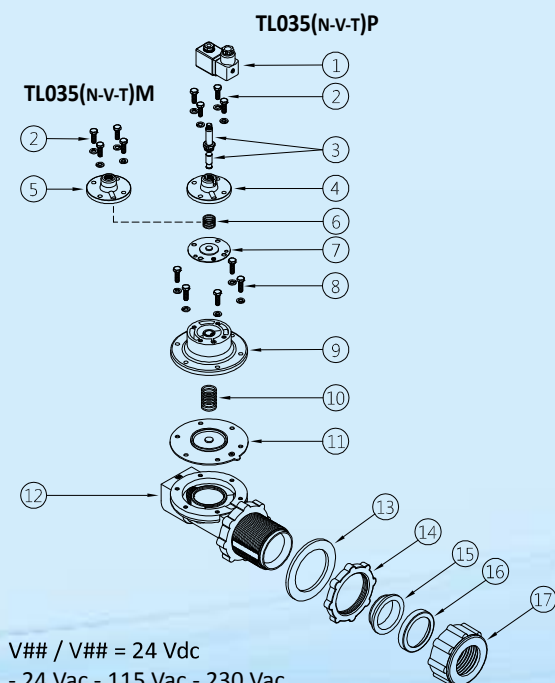
### DESCRIPTION TL025(N-V-T)P / TL025(N-V-T)M

|           |                     |                                                                    |
|-----------|---------------------|--------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector    | BH10 V## / V##                                                     |
| <b>2</b>  | Screws - Washers    | TKITVTE06X20X4                                                     |
| <b>3</b>  | Pilot unit          | 1331080                                                            |
| <b>4</b>  | Pilot cover         | 1251750                                                            |
| <b>5</b>  | Remote cover        | 1251770                                                            |
| <b>6a</b> | Diaphragm spring    | 3241002                                                            |
| <b>6</b>  | Diaphragm (N-V-T)   | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| <b>7</b>  | Valve body          | 1251250                                                            |
| <b>8</b>  | Seal                | 3141702                                                            |
| <b>9</b>  | Lock nut            | 3181036                                                            |
| <b>10</b> | Conical seal        | 3301013                                                            |
| <b>11</b> | Retaining ring      | 1321010                                                            |
| <b>12</b> | Hose Clamp High Nut | 1281045                                                            |



### DESCRIPTION TL035(N-V-T)P / TL035(N-V-T)M

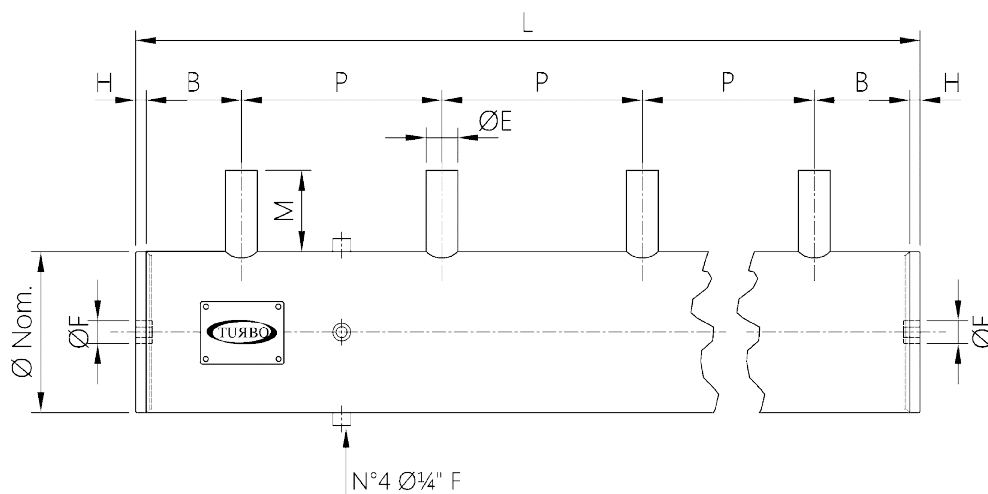
|           |                             |                                                                    |
|-----------|-----------------------------|--------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector            | BH10 V## / V##                                                     |
| <b>2</b>  | Screws - Washers            | TKITVTE06X18X4                                                     |
| <b>3</b>  | Pilot unit                  | 1331080                                                            |
| <b>4</b>  | Pilot cover                 | 1251720                                                            |
| <b>5</b>  | Remote cover                | 1251740                                                            |
| <b>6</b>  | Diaphragm spring            | 3241006                                                            |
| <b>7</b>  | Secondary diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| <b>8</b>  | Screws - Washers            | TKITVTE06X20X6                                                     |
| <b>9</b>  | Cover                       | 1251810                                                            |
| <b>10</b> | Diaphragm spring            | 3241018                                                            |
| <b>11</b> | Primary Diaphragm (N-V-T)   | TKISM035N Neoprene<br>TKISM035V Viton<br>TKISM035T Low temperature |
| <b>12</b> | Valve body                  | 1251330                                                            |
| <b>13</b> | Seal                        | 3141706                                                            |
| <b>14</b> | Lock nut                    | 3181032                                                            |
| <b>15</b> | Conical seal                | 3301017                                                            |
| <b>16</b> | Retaining ring              | 1321012                                                            |
| <b>17</b> | Hose clamp high nut         | 1281050                                                            |



V## / V## = 24 Vdc  
- 24 Vac - 115 Vac - 230 Vac



## 5" - 6" - 8" - 10" DN TD SERIES



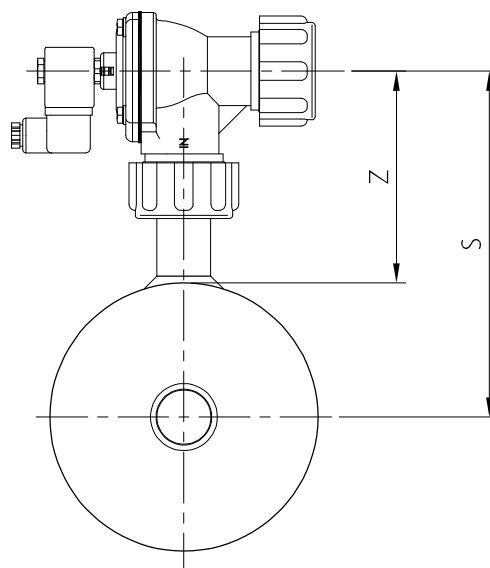
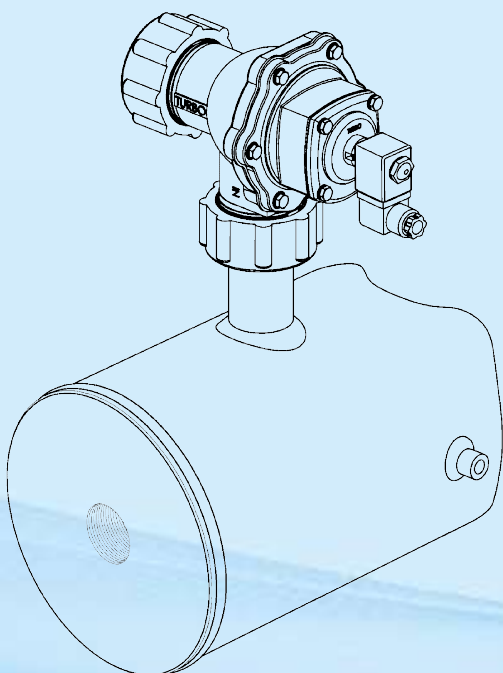
$$L = P \times (N-1) + 2A + 2B$$

P = Distance between the valves

N = Number of valves

For special versions of P min and B min, please contact our technical department

| Ø (NOM) | Ø(out) mm | ØE   | A  | B(min) | ØF   | H  | M  | Z(±) | S(±) | P(min) |
|---------|-----------|------|----|--------|------|----|----|------|------|--------|
| 5"      | 141.3     | ¾"   | 50 | 45     | 1"   | 10 | 85 | 130  | 200  | 85     |
| 5"      | 141.3     | 1"   | 50 | 45     | 1"   | 10 | 85 | 130  | 200  | 85     |
| 6"      | 168.3     | ¾"   | 50 | 45     | 1"   | 10 | 85 | 130  | 215  | 85     |
| 6"      | 168.3     | 1"   | 50 | 45     | 1"   | 10 | 85 | 130  | 215  | 85     |
| 6"      | 168.3     | 1 ½" | 50 | 55     | 1"   | 10 | 85 | 138  | 223  | 150    |
| 8"      | 219.1     | 1"   | 70 | 45     | 1 ½" | 10 | 85 | 130  | 240  | 85     |
| 8"      | 219.1     | 1 ½" | 70 | 55     | 1 ½" | 10 | 85 | 138  | 248  | 150    |
| 10"     | 273       | 1 ½" | 90 | 55     | 1 ½" | 12 | 85 | 138  | 275  | 150    |

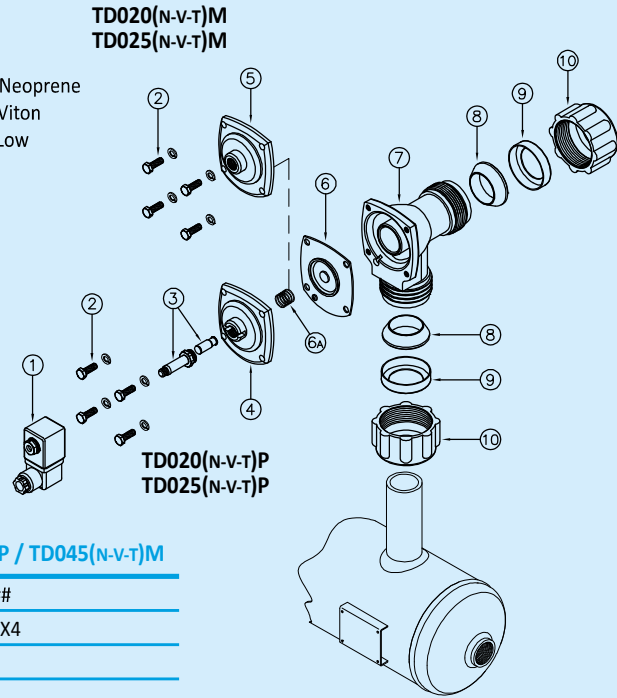




# 5" - 6" - 8" - 10" DN TD SERIES

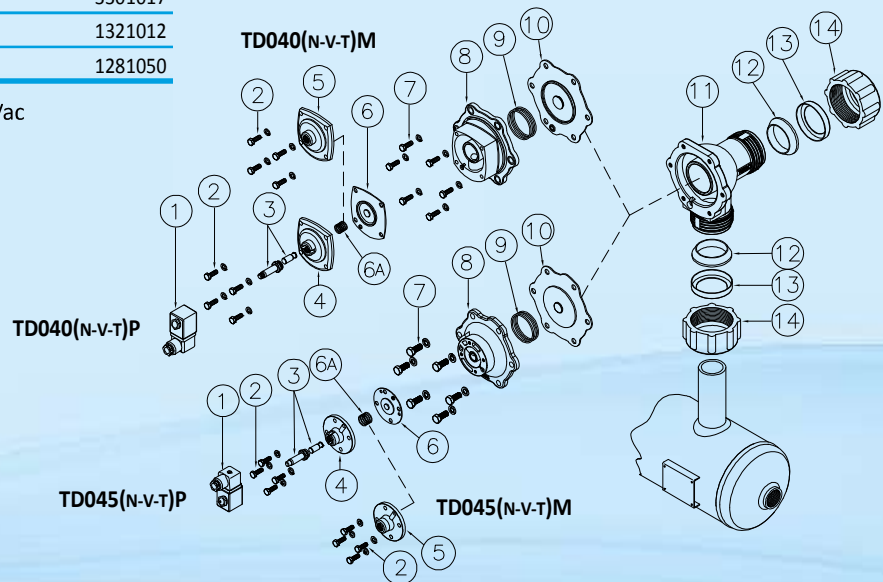
| DESCRIPTION                   | TD020(N-V-T)P / TD020(N-V-T)M                                      | TD025(N-V-T)P / TD025(N-V-T)M                                      |
|-------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>1</b> Coil - Connector     | BH10 V## / V##                                                     | BH10 V## / V##                                                     |
| <b>2</b> Screws - Washers     | TKITVTE06X18X4                                                     | TKITVTE06X18X4                                                     |
| <b>3</b> Pilot unit           | 1331080                                                            | 1331080                                                            |
| <b>4</b> Pilot cover          | 1251750                                                            | 1251750                                                            |
| <b>5</b> Remote cover         | 1251770                                                            | 1251770                                                            |
| <b>6</b> Diaphragm (N-V-T)    | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| <b>6a</b> Diaphragm spring    | 3241002                                                            | 3241002                                                            |
| <b>7</b> Valve body           | 1251110                                                            | 1251310                                                            |
| <b>8</b> Conical seal         | 3301010                                                            | 3301013                                                            |
| <b>9</b> Retaining ring       | 1321006                                                            | 1321010                                                            |
| <b>10</b> Hose clamp high nut | 1281040                                                            | 1281045                                                            |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac

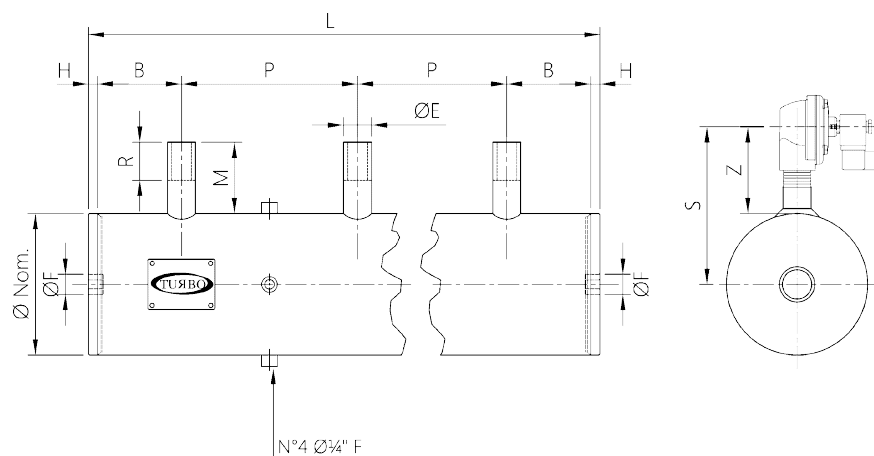


| DESCRIPTION                          | TD040(N-V-T)P / TL040(N-V-T)M                                      | TD045(N-V-T)P / TD045(N-V-T)M                                      |
|--------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>1</b> Coil - Connector            | BH10 V## / V##                                                     | BH10 V## / V##                                                     |
| <b>2</b> Screws - Washers            | TKITVTE06X20X4                                                     | TKITVTE06X18X4                                                     |
| <b>3</b> Pilot unit                  | 1331080                                                            | 1331080                                                            |
| <b>4</b> Pilot cover                 | 1251750                                                            | 1251715                                                            |
| <b>5</b> Remote cover                | 1251770                                                            | 1251745                                                            |
| <b>6</b> Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| <b>6a</b> Diaphragm spring           | 3241002                                                            | 3241006                                                            |
| <b>7</b> Screws - Washers            | TKITVTE08X20X6                                                     | TKITVTE08X20X6                                                     |
| <b>8</b> Cover                       | 1251620                                                            | 1251620                                                            |
| <b>9</b> Diaphragm spring            | 3241002                                                            | 3241024                                                            |
| <b>10</b> Primary Diaphragm (N-V-T)  | TKISM040N Neoprene<br>TKISM040V Viton<br>TKISM040T Low temperature | TKISM045N Neoprene<br>TKISM045V Viton<br>TKISM045T Low temperature |
| <b>11</b> Valve body                 | 1251440                                                            | 1251440                                                            |
| <b>12</b> Conical seal               | 3301017                                                            | 3301017                                                            |
| <b>13</b> Retaining ring             | 1321012                                                            | 1321012                                                            |
| <b>14</b> Hose clamp high nut        | 1281050                                                            | 1281050                                                            |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



## XTF SERIES DN 5" - 6" - 8" - 10" - WITH THREADED STUMPS



$$L = P \times (N-1) + 2A + 2B$$

P = Distance between valves

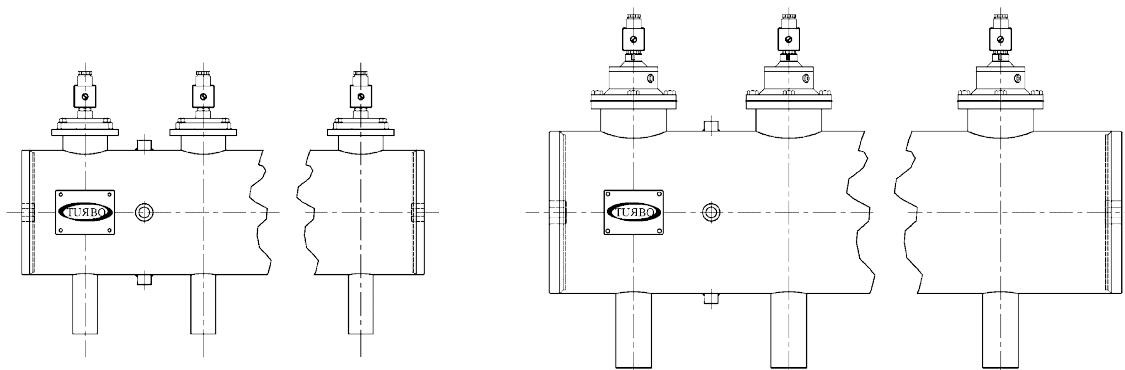
N = Number of valves

For special versions of P min and B min, please contact our technical department

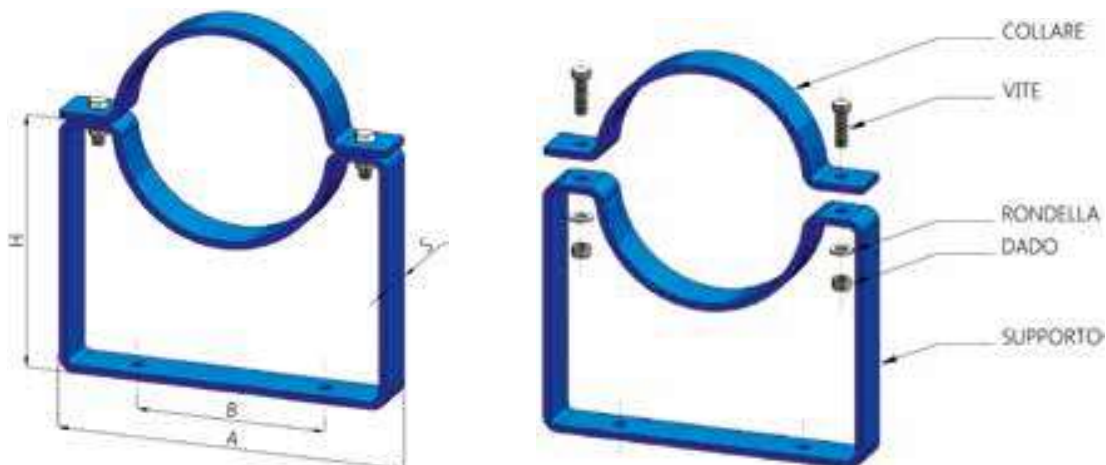
| Ø (NOM) | Ø(out) mm | ØE   | B(min) | ØF   | H  | M  | R  | Z(±) | S(±) | P(min) |
|---------|-----------|------|--------|------|----|----|----|------|------|--------|
| 5"      | 140       | ¾"   | 40     | 1"   | 10 | 85 | 40 | 120  | 190  | 85     |
| 5"      | 140       | 1"   | 45     | 1"   | 10 | 85 | 40 | 120  | 190  | 85     |
| 5"      | 140       | 1 ½" | 50     | 1"   | 10 | 85 | 40 | 120  | 205  | 150    |
| 6"      | 168.3     | ¾"   | 40     | 1"   | 10 | 85 | 40 | 120  | 204  | 85     |
| 6"      | 168.3     | 1"   | 45     | 1"   | 10 | 85 | 40 | 120  | 204  | 85     |
| 6"      | 168.3     | 1 ½" | 55     | 1"   | 10 | 85 | 40 | 136  | 220  | 150    |
| 6"      | 168.3     | 2"   | 60     | 1"   | 10 | 75 | 40 | 164  | 248  | 210    |
| 8"      | 219.1     | 1"   | 45     | 1 ½" | 10 | 85 | 40 | 120  | 229  | 85     |
| 8"      | 219.1     | 1 ½" | 55     | 1 ½" | 10 | 85 | 40 | 136  | 245  | 150    |
| 8"      | 219.1     | 2"   | 60     | 1 ½" | 10 | 75 | 40 | 164  | 273  | 210    |
| 8"      | 219.1     | 2 ½" | 65     | 1 ½" | 10 | 85 | 40 | 164  | 273  | 210    |
| 10"     | 273       | 1 ½" | 55     | 1 ½" | 12 | 85 | 40 | 136  | 272  | 150    |
| 10"     | 273       | 2"   | 60     | 1 ½" | 12 | 75 | 40 | 164  | 300  | 210    |
| 10"     | 273       | 2 ½" | 70     | 1 ½" | 12 | 70 | 45 | 164  | 300  | 210    |

Operating temperature: -50°C/+200°C

## 5" - 6" - 8" - 10" DN INX INTEGRAL SERIES - GLOBAL IMMERSION HEADER TANKS



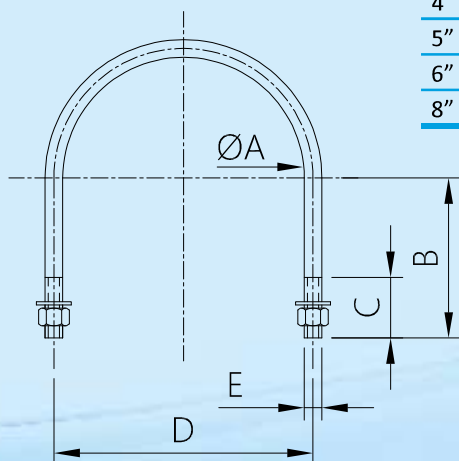
Please contact our technical department for the dimensions  
Operating temperature: -50°C/+200°C



| TANK DIAMETER | BRACKET MODEL     | BRACKET CODE | A (mm) | B (mm) | H mm | S (mm) | Weight (kg) |
|---------------|-------------------|--------------|--------|--------|------|--------|-------------|
| 5" (Ø 141.3)  | Low bracket       | SB5          | 264    | 150    | 95   | 50     | 2.6         |
|               | Medium bracket    | SM5          | 264    | 150    | 160  | 50     | 3.0         |
|               | High bracket      | SA5          | 264    | 150    | 180  | 50     | 3.1         |
| 6" (Ø 168.3)  | Low bracket       | SB6          | 292    | 150    | 109  | 50     | 2.8         |
|               | Medium bracket    | SM6          | 292    | 150    | 170  | 50     | 3.3         |
|               | High bracket      | SA6          | 292    | 150    | 200  | 50     | 3.5         |
|               | TL series bracket | S6 - 223     | 292    | 150    | 223  | 50     | 3.7         |
|               | TL series bracket | S6 - 265     | 292    | 150    | 265  | 50     | 4.0         |
| 8" (Ø 219.1)  | Low bracket       | SB8          | 348    | 200    | 134  | 50     | 4.6         |
|               | Medium bracket    | SM8          | 348    | 200    | 210  | 50     | 5.0         |
|               | High bracket      | SA8          | 348    | 200    | 270  | 50     | 5.4         |
|               | TL series bracket | S8 - 290     | 348    | 200    | 290  | 50     | 5.5         |
| 10" (Ø 273)   | Low bracket       | SB10         | 424    | 250    | 161  | 50     | 5.6         |
|               | High bracket      | SA10         | 424    | 250    | 273  | 50     | 6.5         |

For special brackets, please contact our technical department

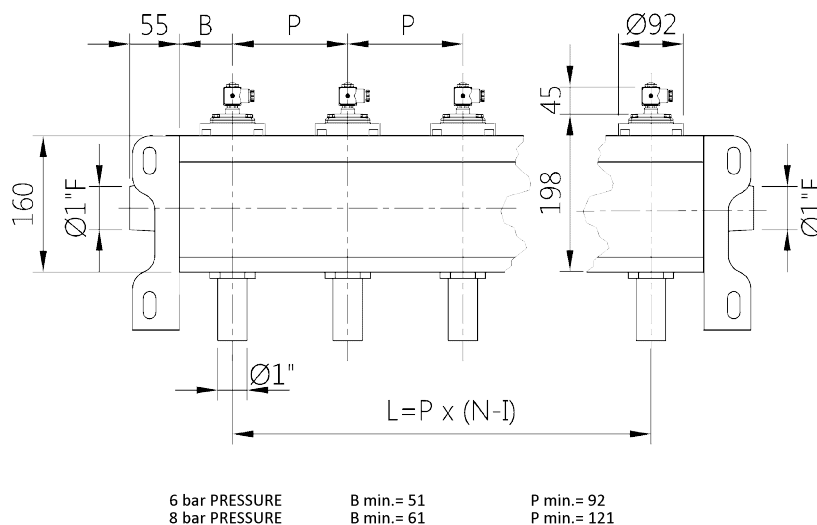
## U-BOLTS



| TANK DIAMETER | ØA (mm) | B (mm) | C (mm) | D (mm) | E (mm) |
|---------------|---------|--------|--------|--------|--------|
| 4" (Ø 114.3)  | 115     | 87.5   | 45     | 124    | M10    |
| 5" (Ø 141.3)  | 155     | 92.5   | 45     | 164    | M10    |
| 6" (Ø 168.3)  | 175     | 116.5  | 45     | 185    | M16    |
| 8" (Ø 219.1)  | 225     | 141.5  | 45     | 235    | M16    |

U-Bolts are available in galvanised steel or stainless steel, on request

## 6" ALUTANK SERIES WITH 1" DN VALVES



For special versions of P min and B min, please contact our technical department

## TECHNICAL FEATURES

Tank body  
Extruded anodised aluminium

Ends  
Die-cast aluminium

Air cannons  
Galvanised steel

O-Ring  
NBR

Operating temperature  
-20°C +80°C

Operating pressure  
0.5 ÷ 6 bar - 0.5 ÷ 8 bar

Low temperature version  
- 40°C +80°C

(Aluminium air cannons)

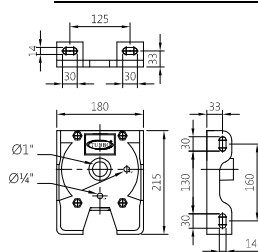
## DESCRIPTION

## TS025(N-V-T)P / TS025(N-V-T)M

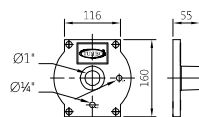
|           |                   |                                                                    |
|-----------|-------------------|--------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector  | BH10 V## / V##                                                     |
| <b>2</b>  | Screws - Washers  | TKITVTE06X20X4                                                     |
| <b>3</b>  | Pilot unit        | 1331080                                                            |
| <b>4</b>  | Pilot cover       | 1251750                                                            |
| <b>5</b>  | Remote cover      | 1251770                                                            |
| <b>6</b>  | Diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| <b>6a</b> | Diaphragm spring  | 3241002                                                            |
| <b>7</b>  | Screws - Washers  | TKITVTE06X16X4                                                     |
| <b>8</b>  | Valve body        | 1251300                                                            |
| <b>9</b>  | O-R gasket        | 3301285                                                            |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac

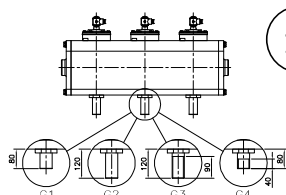
### DETAIL OF BOTTOM DIMENSIONS AND FIXING



STANDARD

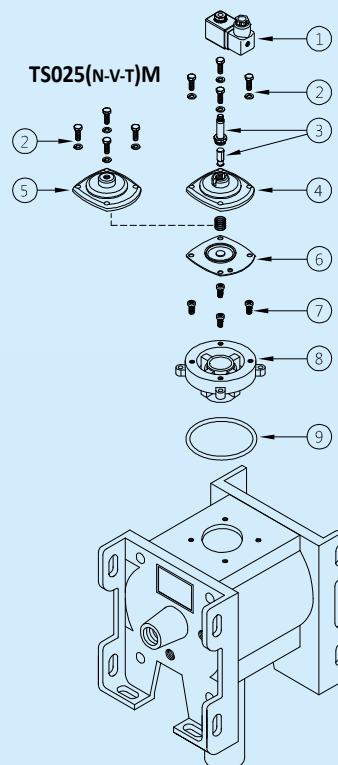


### WITHOUT BRACKETS

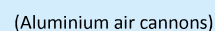


SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

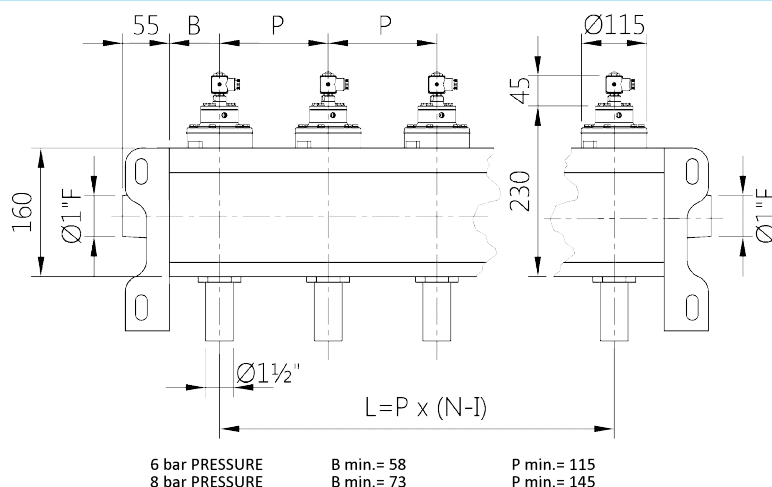
## TS025(N-V-T)P



**ALUMINIUM** GLOBAL IMMERSION  
HEADER TANKS



## 6" ALUTANK SERIES WITH 1½" DN VALVES



### TECHNICAL FEATURES

|                             |
|-----------------------------|
| Tank body                   |
| Extruded anodised aluminium |
| Ends                        |
| Die-cast aluminium          |
| Air cannons                 |
| Galvanised steel            |
| O-Ring                      |
| NBR                         |
| Operating temperature       |
| -20°C +80°C                 |
| Operating pressure          |
| 0.5 ÷ 6 bar - 0.5 ÷ 8 bar   |
| Low temperature version     |
| -40°C +80°C                 |
| (Aluminium air cannons)     |

For special versions of P min and B min, please contact our technical department

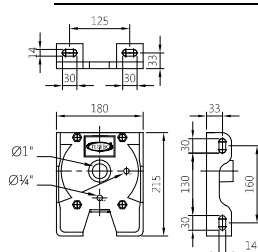
### DESCRIPTION

### TS035(N-V-T)P / TS035(N-V-T)M

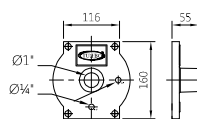
|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X18X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251720                                                            |
| 5  | Remote cover                | 1251740                                                            |
| 6  | Diaphragm spring            | 3241006                                                            |
| 7  | Secondary diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| 8  | Screws - Washers            | TKITVTE06X20X6                                                     |
| 9  | Cover                       | 1251810                                                            |
| 10 | Diaphragm spring            | 3241018                                                            |
| 11 | Primary Diaphragm (N-V-T)   | TKISM035N Neoprene<br>TKISM035V Viton<br>TKISM035T Low temperature |
| 12 | Screws - Washers            | TKITVTE08X20X2                                                     |
| 13 | Valve body                  | 1251370                                                            |
| 14 | O-R gasket                  | 3301276                                                            |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac

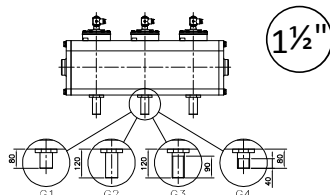
### DETAIL OF BOTTOM DIMENSIONS AND FIXING



STANDARD

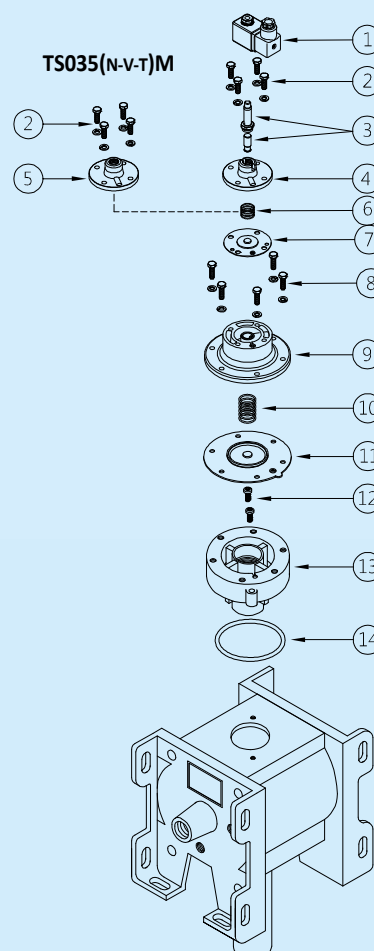


WITHOUT BRACKETS



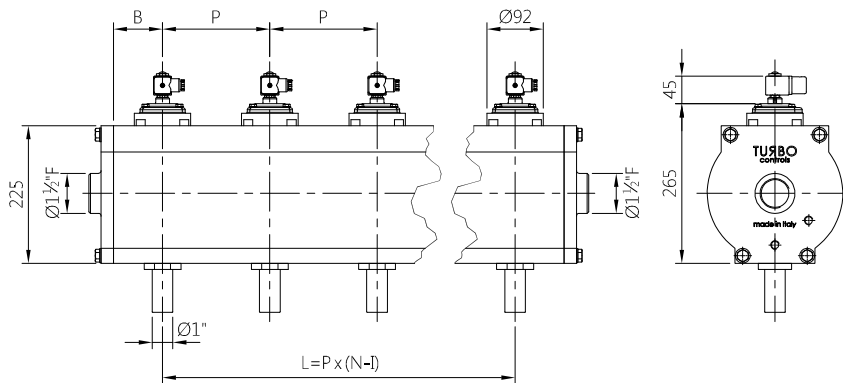
SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

### TS035(N-V-T)P



# 8" ALUTANK SERIES WITH 1" DN VALVES

**ALUMINIUM** HEADER TANKS  
WITH GLOBAL IMMERSION



## TECHNICAL FEATURES

Tank body  
Extruded anodised aluminium

Ends  
Die-cast aluminium

Air cannons  
Galvanised steel

O-Ring  
NBR

Operating temperature  
-20°C +80°C

Operating pressure  
0.5 ÷ 6 bar - 0.5 ÷ 8 bar

Low temperature version  
- 40°C +80°C

(Aluminium air cannons)

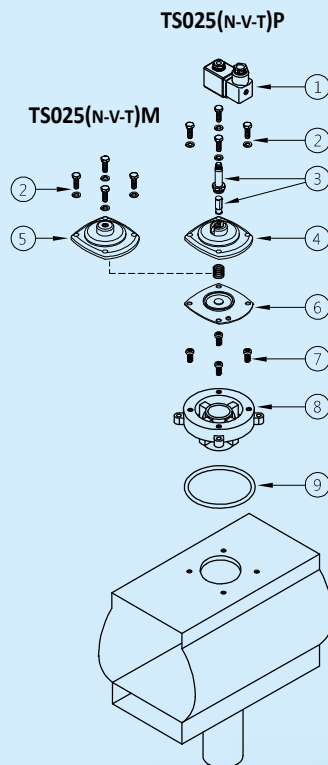
Please contact our technical department for P min and B min values

## DESCRIPTION

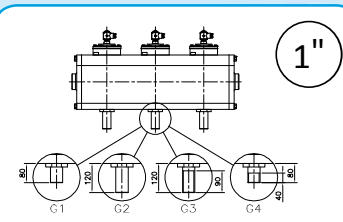
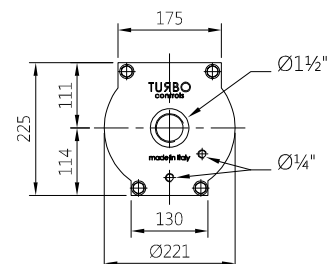
## TS025(N-V-T)P / TS025(N-V-T)M

|    |                   |                                                                     |
|----|-------------------|---------------------------------------------------------------------|
| 1  | Coil - Connector  | BH10 V## / V##                                                      |
| 2  | Screws - Washers  | TKITVTE06X20X4                                                      |
| 3  | Pilot unit        | 1331080                                                             |
| 4  | Pilot cover       | 1251750                                                             |
| 5  | Remote cover      | 1251770                                                             |
| 6a | Diaphragm spring  | 3241002                                                             |
| 6  | Diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM0250T Low temperature |
| 7  | Screws - Washers  | TKITVTE06X16X4                                                      |
| 8  | Valve body        | 1251300                                                             |
| 9  | O-R gasket        | 3301285                                                             |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



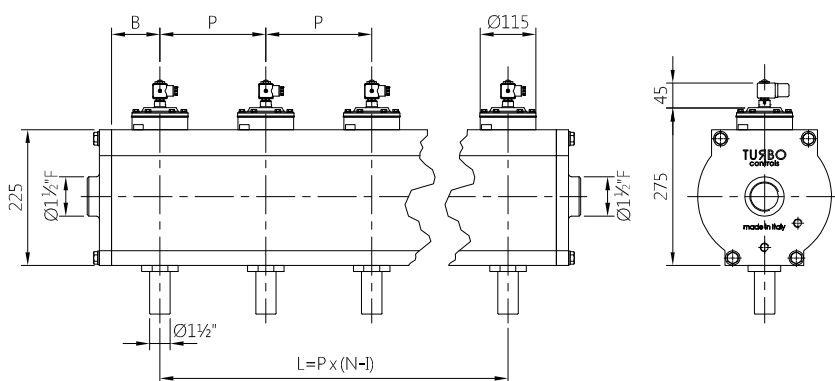
## BOTTOM DIMENSIONS



SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4



## 8" ALUTANK SERIES WITH 1½" DN VALVES



Please contact our technical department for P min and B min values

### TECHNICAL FEATURES

Tank body  
Extruded anodised aluminium

Ends  
Die-cast aluminium

Air cannons  
Galvanised steel

O-Ring  
NBR

Operating temperature  
-20°C +80°C

Operating pressure  
0.5 ÷ 6 bar - 0.5 ÷ 8 bar

Low temperature version  
- 40°C +80°C

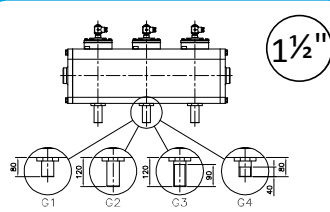
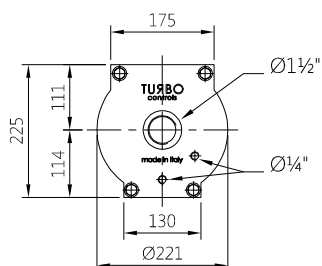
(Aluminium air cannons)

### DESCRIPTION TS030(N-V-T)P / TS030(N-V-T)M

|    |                   |                                                                    |
|----|-------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector  | BH10 V## / V##                                                     |
| 2  | Screws - Washers  | TKITVTE06X20X6                                                     |
| 3  | Pilot unit        | 1331080                                                            |
| 4  | Pilot cover       | 1251802                                                            |
| 5  | Remote cover      | 1251805                                                            |
| 6  | Diaphragm spring  | 3241018                                                            |
| 7  | Diaphragm (N-V-T) | TKISM030N Neoprene<br>TKISM030V Viton<br>TKISM030T Low temperature |
| 8  | Screws - Washers  | TKITVTE06X20X2                                                     |
| 9  | Valve body        | 1251370                                                            |
| 10 | O-R gasket        | 3301276                                                            |

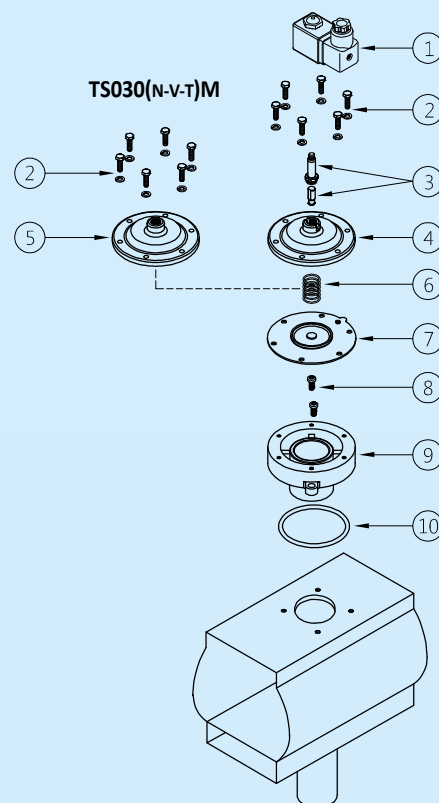
V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac

### BOTTOM DIMENSIONS

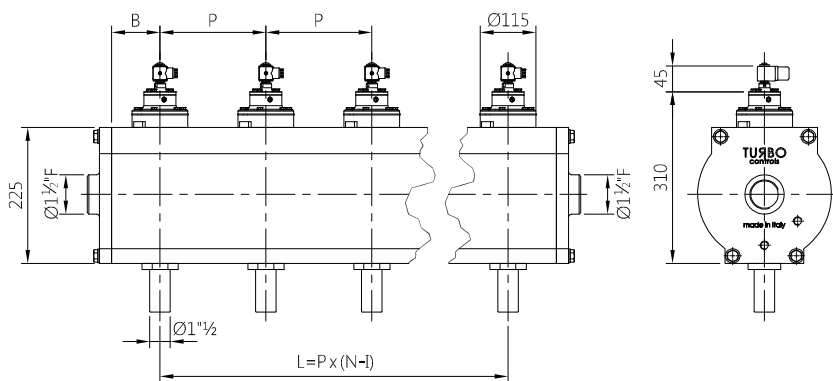


SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

### TS030(N-V-T)P



# 8" ALUTANK SERIES WITH 1½" DN VALVES



## TECHNICAL FEATURES

Tank body  
Extruded anodised aluminium

Ends  
Die-cast aluminium

Air cannons  
Galvanised steel

O-Ring  
NBR

Operating temperature  
-20°C +80°C

Operating pressure  
0.5 ÷ 6 bar - 0.5 ÷ 8 bar

Low temperature version  
- 40°C +80°C

(Aluminium air cannons)

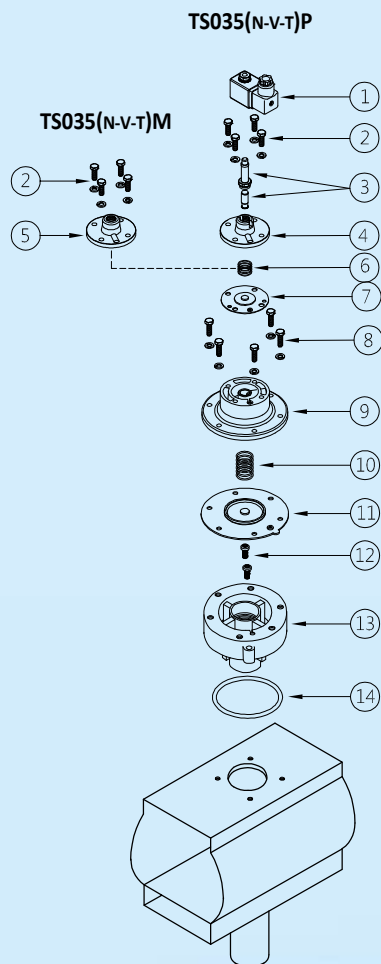
Please contact our technical department for P min and B min values

## DESCRIPTION

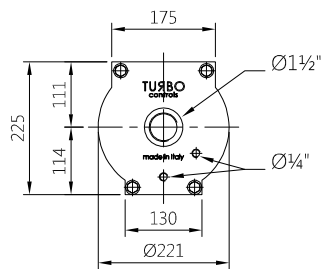
## TS035(N-V-T)P / TS035(N-V-T)M

|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X18X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251720                                                            |
| 5  | Remote cover                | 1251740                                                            |
| 6  | Diaphragm spring            | 3241006                                                            |
| 7  | Secondary diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| 8  | Screws - Washers            | TKITVTE06X20X6                                                     |
| 9  | Cover                       | 1251810                                                            |
| 10 | Diaphragm spring            | 3241018                                                            |
| 11 | Primary Diaphragm (N-V-T)   | TKISM035N Neoprene<br>TKISM035V Viton<br>TKISM035T Low temperature |
| 12 | Screws - Washers            | TKITVTE08X20X2                                                     |
| 13 | Valve body                  | 1251370                                                            |
| 14 | O-R gasket                  | 3301276                                                            |

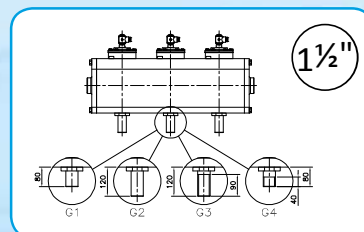
V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac



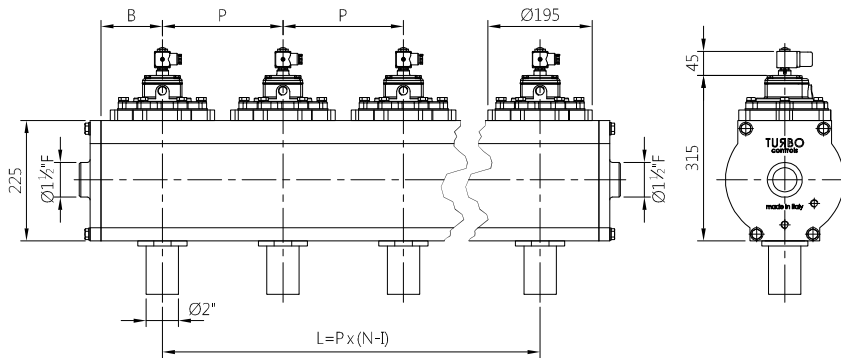
## BOTTOM DIMENSIONS



SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4



## 8" ALUTANK SERIES WITH 2" DN VALVES



## TECHNICAL FEATURES

Tank body  
Extruded anodised aluminium

Ends  
Die-cast aluminium

Air cannons  
Galvanised steel

O-Ring  
NBR

Operating temperature  
-20°C +80°C

Operating pressure  
0.5 ÷ 6 bar - 0.5 ÷ 8 bar

Low temperature version  
- 40°C +80°C

(Aluminium air cannons)

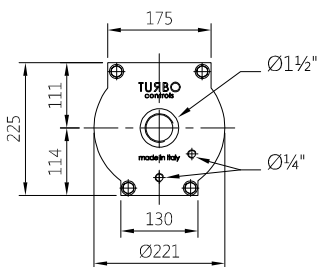
Please contact our technical department for P min and B min values

## DESCRIPTION

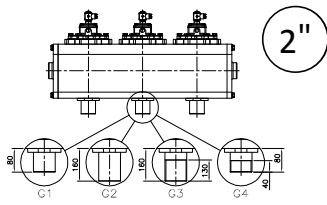
## TS050(N-V-T)P / TS050(N-V-T)M

|           |                             |                                                                    |
|-----------|-----------------------------|--------------------------------------------------------------------|
| <b>1</b>  | Coil - Connector            | BH10 V## / V##                                                     |
| <b>2</b>  | Screws - Washers            | TKITVTE06X20X4                                                     |
| <b>3</b>  | Pilot unit                  | 1331080                                                            |
| <b>4</b>  | Pilot cover                 | 1251750                                                            |
| <b>5</b>  | Remote cover                | 1251770                                                            |
| <b>6a</b> | Diaphragm spring            | 3241002                                                            |
| <b>6</b>  | Secondary diaphragm (N-V-T) | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| <b>7</b>  | Screws - Washers            | TKITVTE10X25X6                                                     |
| <b>8</b>  | Cover                       | 1251650                                                            |
| <b>9</b>  | Diaphragm spring            | 3241024                                                            |
| <b>10</b> | Primary Diaphragm (N-V-T)   | TKISM050N Neoprene<br>TKISM050V Viton<br>TKISM050T Low temperature |
| <b>11</b> | Valve body                  | 1251460                                                            |
| <b>12</b> | O-R gasket                  | 3301203                                                            |

### BOTTOM DIMENSIONS

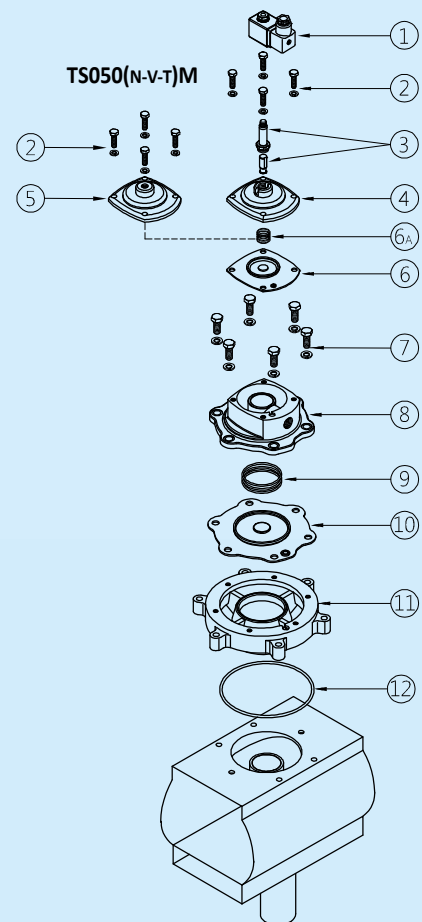


V## / V## = 24 Vdc  
- 24 Vac - 115 Vac - 230 Vac

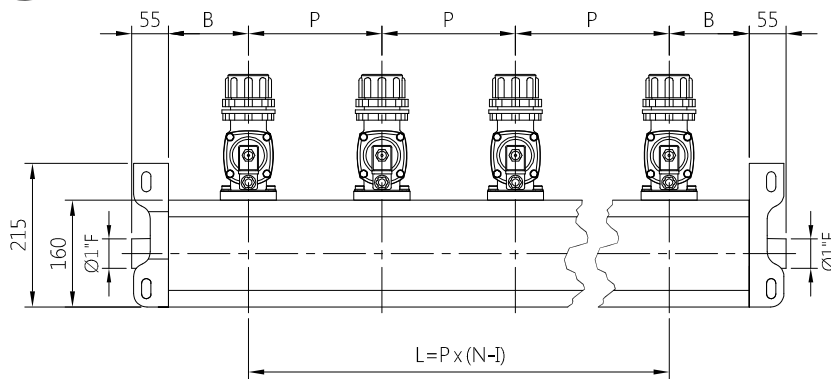


SHORT PLAIN OUTLET PIPE = G1  
LONG PLAIN OUTLET PIPE = G2  
LONG THREADED OUTLET PIPE = G3  
SHORT THREADED OUTLET PIPE = G4

## TS050(N-V-T)P



# 6" ALUTANK SERIES WITH 1" DN VALVES



$$P \text{ min} = 120 / B \text{ min} = 70$$

For special versions of P min and B min, please contact our technical department

## TECHNICAL FEATURES

Tank body  
Extruded anodised aluminium

Ends  
Aluminium

Air cannons  
Galvanised steel

O-Ring  
NBR

Operating temperature  
-20°C +80°C

Operating pressure  
0.5 ÷ 6 bar - 0.5 ÷ 8 bar

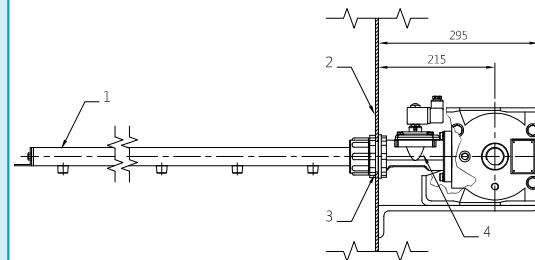
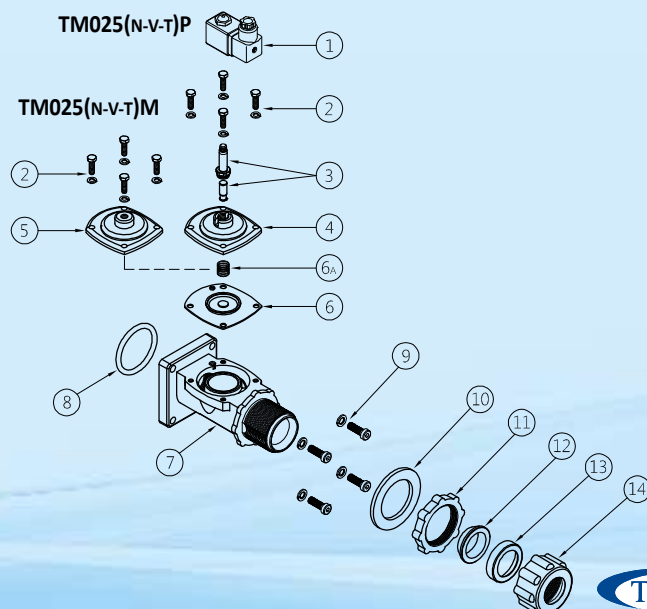
N.B. configuration for low  
temperature - 40°C +80°C

ALUMINIUM HEADER TANKS  
WITH STRAIGHT THROUGH VALVES

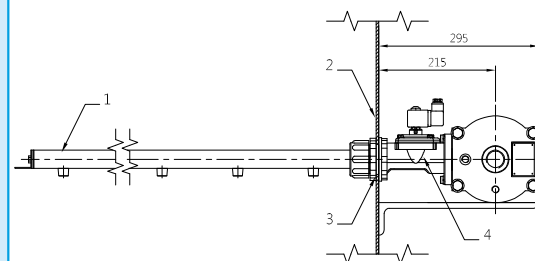
## DESCRIPTION TM025(N-V-T)P / TM025(N-V-T)M

|    |                     |                                                                    |
|----|---------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector    | BH10 V## / V##                                                     |
| 2  | Screws - Washers    | TKITVTE06X20X4                                                     |
| 3  | Pilot unit          | 1331080                                                            |
| 4  | Pilot cover         | 1251750                                                            |
| 5  | Remote cover        | 1251770                                                            |
| 6a | Diaphragm spring    | 3241002                                                            |
| 6  | Diaphragm (N-V-T)   | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 7  | Valve body          | 1251180                                                            |
| 8  | O-R gasket          | 3301271                                                            |
| 9  | Screws - Washers    | TKITVTE08X25X4                                                     |
| 10 | Seal                | 3141702                                                            |
| 11 | Lock nut            | 3181036                                                            |
| 12 | Conical seal        | 3301013                                                            |
| 13 | Retaining ring      | 1321010                                                            |
| 14 | Hose Clamp High Nut | 1281045                                                            |

V## / V## = 24 Vdc - 24 Vac - 115 Vac - 230 Vac

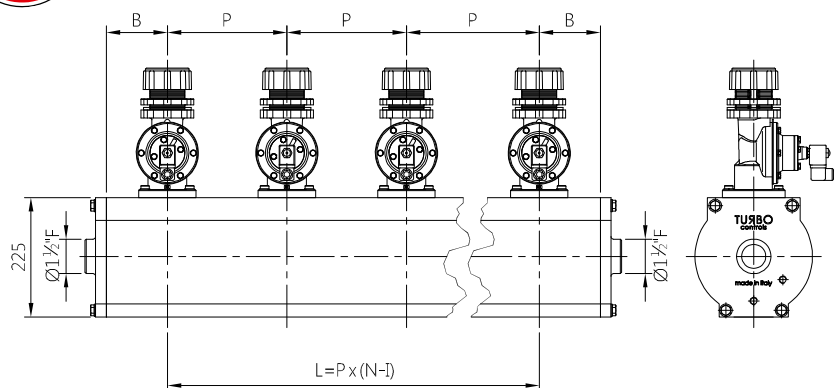


1. 1" AIR CANNON
2. FILTER WALL
3. HOLE ON WALL MIN Ø 56 mm
4. 1" STRAIGHT THROUGH VALVE



1. 1" AIR CANNON
2. FILTER WALL
3. HOLE ON WALL MIN Ø 56 mm
4. 1" STRAIGHT THROUGH VALVE

## 8" ALUTANK SERIES WITH 1" 1½ DN VALVES'



### TECHNICAL FEATURES

Tank body  
Extruded anodised aluminium

Ends  
Aluminium

Air cannons  
Galvanised steel

O-Ring  
NBR

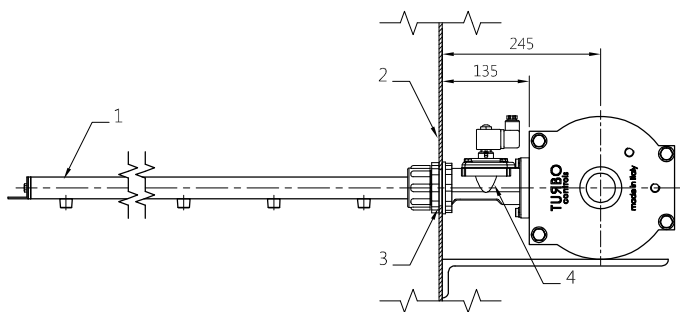
Operating temperature  
-20°C +80°C

Operating pressure  
0.5 ÷ 6 bar - 0.5 ÷ 8 bar

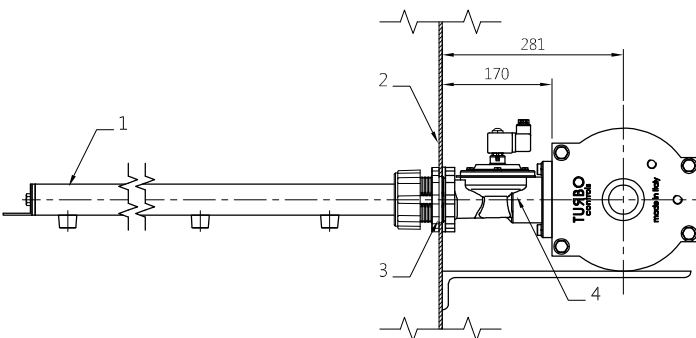
Configuration for low  
temperature - 40°C +80°C

Please contact our technical department for P min and B min values

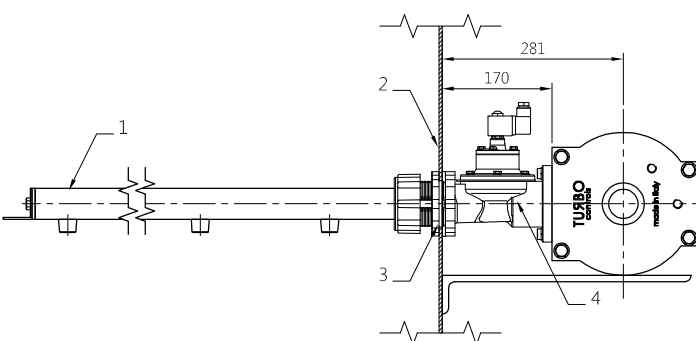
1. 1" AIR CANNON
2. FILTER WALL
3. HOLE ON WALL MIN  $\varnothing$  56 mm
4. 1" STRAIGHT THROUGH VALVE



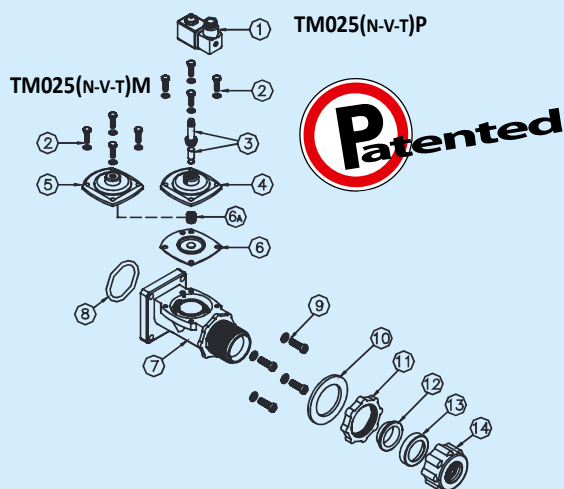
1. 1½" AIR CANNON
2. FILTER WALL
3. HOLE ON WALL MIN  $\varnothing$  72 mm
4. 1½" STRAIGHT THROUGH VALVE



1. 1½" AIR CANNON
2. FILTER WALL
3. HOLE ON WALL MIN  $\varnothing$  72 mm
4. 1½" STRAIGHT THROUGH VALVE

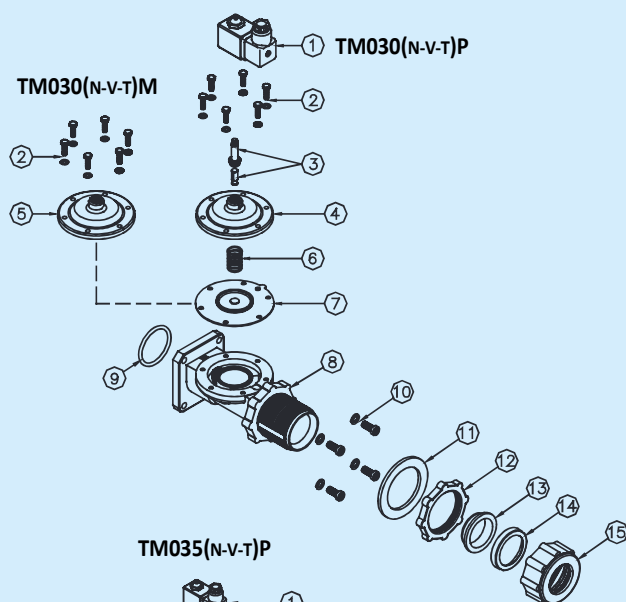


# 8" ALUTANK SERIES WITH 1" 1½ DN VALVES



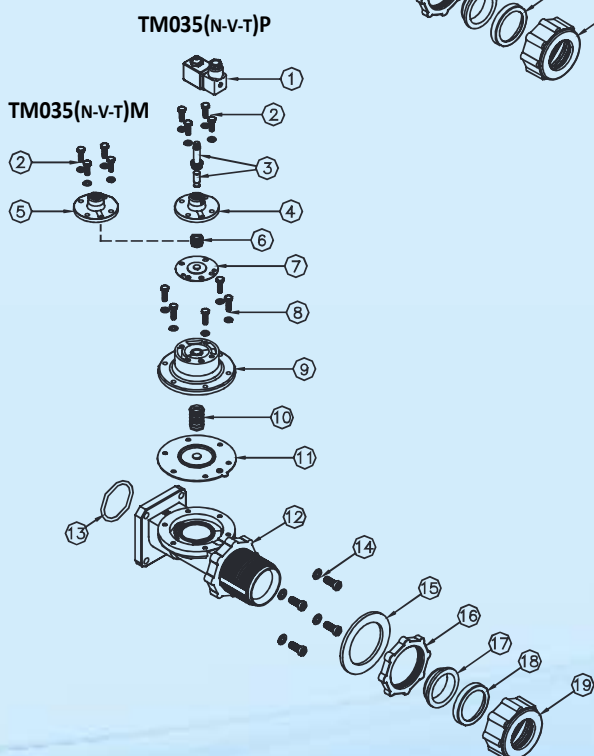
## DESCRIPTION TM025(N-V-T)P / TM025(N-V-T)M

|    |                     |                                                                    |
|----|---------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector    | BH10 V## / V##                                                     |
| 2  | Screws - Washers    | TKITVTE06X20X4                                                     |
| 3  | Pilot unit          | 1331080                                                            |
| 4  | Pilot cover         | 1251750                                                            |
| 5  | Remote cover        | 1251770                                                            |
| 6a | Diaphragm spring    | 3241002                                                            |
| 6  | Diaphragm (N-V-T)   | TKISM025N Neoprene<br>TKISM025V Viton<br>TKISM025T Low temperature |
| 7  | Valve body          | 1251180                                                            |
| 8  | O-R gasket          | 3301271                                                            |
| 9  | Screws - Washers    | TKITVTE08X25X4                                                     |
| 10 | Seal                | 3141702                                                            |
| 11 | Lock nut            | 3181036                                                            |
| 12 | Conical seal        | 3301013                                                            |
| 13 | Retaining ring      | 1321010                                                            |
| 14 | Hose clamp high nut | 1281045                                                            |



## DESCRIPTION TM030(N-V-T)P / TM030(N-V-T)M

|    |                     |                                                                    |
|----|---------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector    | BH10 V## / V##                                                     |
| 2  | Screws - Washers    | TKITVTE06X20X6                                                     |
| 3  | Pilot unit          | 1331080                                                            |
| 4  | Pilot cover         | 1251802                                                            |
| 5  | Remote cover        | 1251805                                                            |
| 6  | Diaphragm spring    | 3241018                                                            |
| 7  | Diaphragm (N-V-T)   | TKISM030N Neoprene<br>TKISM030V Viton<br>TKISM030T Low temperature |
| 8  | Valve body          | 1251320                                                            |
| 9  | O-R gasket          | 3301281                                                            |
| 10 | Screws - Washers    | TKITVTE10X25X4                                                     |
| 11 | Seal                | 3141706                                                            |
| 12 | Lock nut            | 3181032                                                            |
| 13 | Conical seal        | 3301017                                                            |
| 14 | Retaining ring      | 1321012                                                            |
| 15 | Hose clamp high nut | 1281050                                                            |



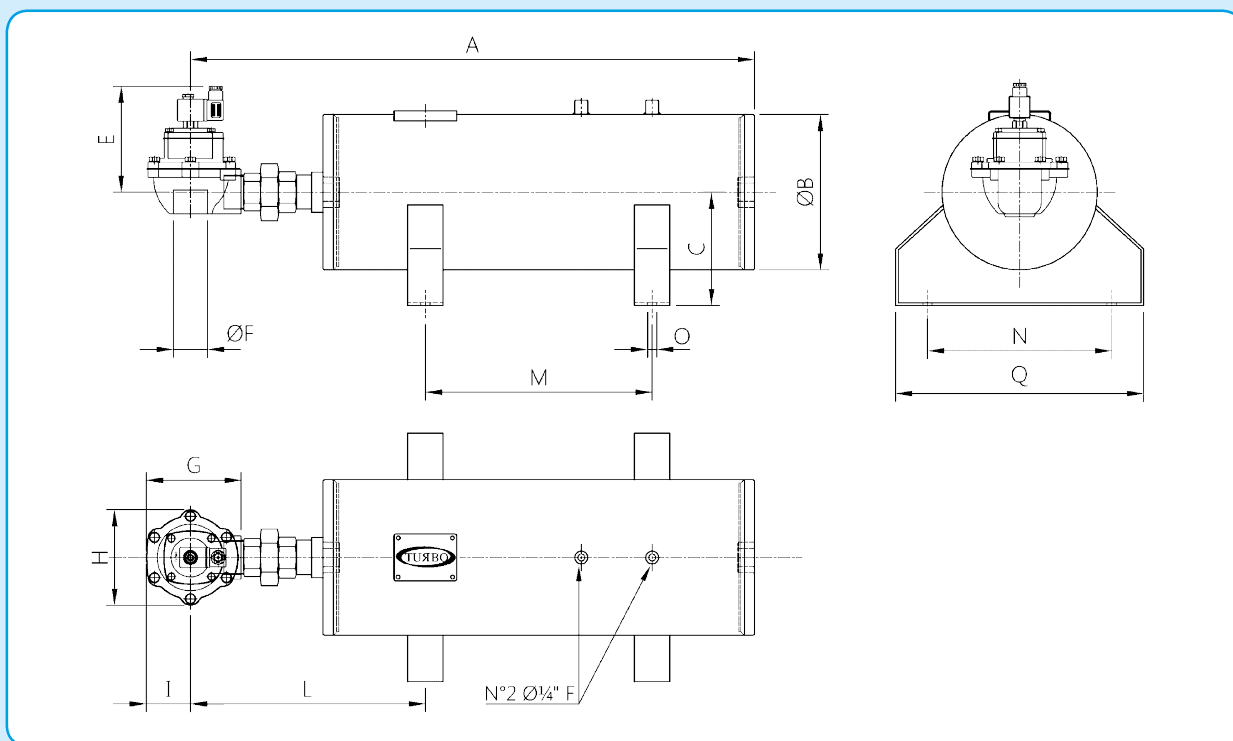
## DESCRIPTION TM035(N-V-T)P / TM035(N-V-T)M

|    |                             |                                                                    |
|----|-----------------------------|--------------------------------------------------------------------|
| 1  | Coil - Connector            | BH10 V## / V##                                                     |
| 2  | Screws - Washers            | TKITVTE06X18X4                                                     |
| 3  | Pilot unit                  | 1331080                                                            |
| 4  | Pilot cover                 | 1251720                                                            |
| 5  | Remote cover                | 1251740                                                            |
| 6  | Diaphragm spring            | 3241006                                                            |
| 7  | Secondary Diaphragm (N-V-T) | TKISM010N Neoprene<br>TKISM010V Viton<br>TKISM010T Low temperature |
| 8  | Screws - Washers            | TKITVTE06X20X6                                                     |
| 9  | Cover                       | 1251810                                                            |
| 10 | Diaphragm spring            | 3241018                                                            |
| 11 | Primary Diaphragm (N-V-T)   | TKISM035N Neoprene<br>TKISM035V Viton<br>TKISM035T Low temperature |
| 12 | Valve body                  | 1251320                                                            |
| 13 | O-R gasket                  | 3301281                                                            |
| 14 | Screws - Washers            | TKITVTE10X25X4                                                     |
| 15 | Seal                        | 3141706                                                            |
| 16 | Lock nut                    | 3181032                                                            |
| 17 | Conical seal                | 3301017                                                            |
| 18 | Retaining ring              | 1321012                                                            |
| 19 | Hose clamp high nut         | 1281050                                                            |

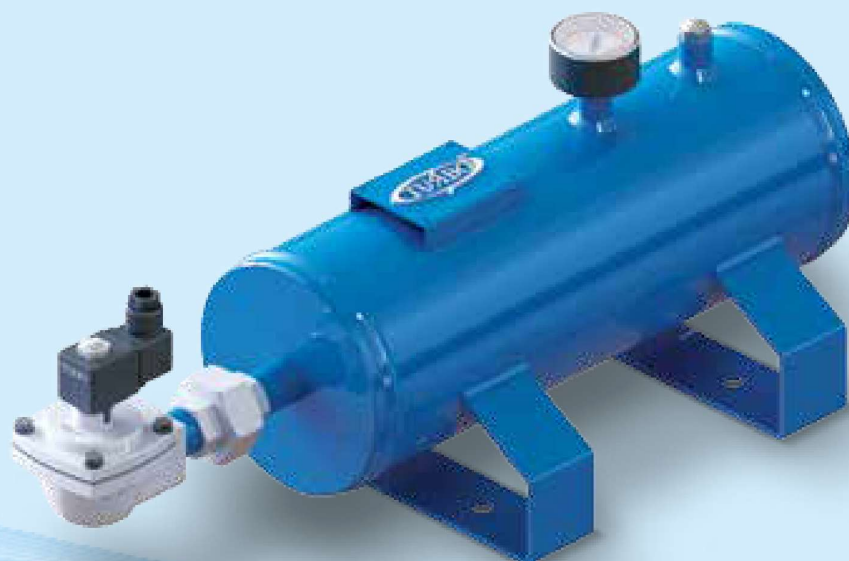
V## / V## = 24 Vdc

- 24 Vac - 115 Vac - 230 Vac

# PACK SERIES



| Model    | A    | ØB          | C   | E   | ØF   | G     | H   | I  | L   | M   | N   | ØO | ØP | Q   |
|----------|------|-------------|-----|-----|------|-------|-----|----|-----|-----|-----|----|----|-----|
| PACK 5   | 545  | 141.3 (Ø5") | 100 | 100 | ¾"   | 90    | 73  | 38 | 265 | 150 | 120 | 13 | ½" | 250 |
| PACK 15  | 868  | 168.3 (Ø6") | 124 | 100 | 1"   | 90    | 73  | 38 | 368 | 280 | 160 | 13 | ½" | 250 |
| PACK 25  | 895  | 219.1 (Ø8") | 160 | 150 | 1 ½" | 133.5 | 135 | 62 | 375 | 320 | 260 | 13 | ½" | 350 |
| PACK 50  | 1174 | 273 (Ø10")  | 214 | 185 | 2"   | 198   | 190 | 83 | 539 | 320 | 260 | 13 | ½" | 350 |
| PACK 100 | 1600 | 324 (Ø12")  | 214 | 162 | 2 ½" | 198   | 190 | 83 | 535 | 800 | 260 | 13 | ½" | 350 |

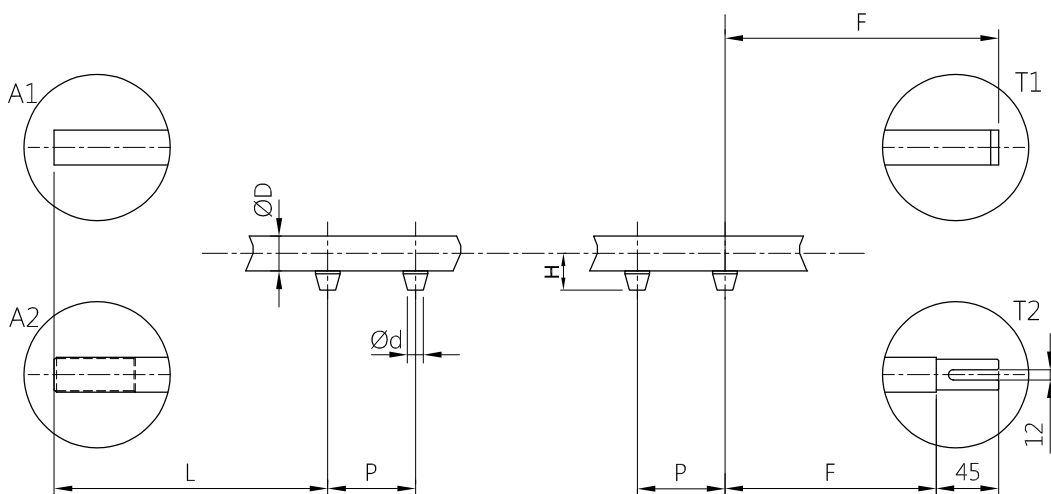




## CODE AND TECHNICAL FEATURES

|                                                                    | TS | 25 | P100 | N10 | D10 | L150 | F200 | H15 | A2 | T2 |
|--------------------------------------------------------------------|----|----|------|-----|-----|------|------|-----|----|----|
| TS = AIR CANNON                                                    |    |    |      |     |     |      |      |     |    |    |
| Ø D: AIR CANNON DIAMETER                                           |    |    |      |     |     |      |      |     |    |    |
| 20 ¾"                                                              |    |    |      |     |     |      |      |     |    |    |
| 25 1"                                                              |    |    |      |     |     |      |      |     |    |    |
| 40 1 ½"                                                            |    |    |      |     |     |      |      |     |    |    |
| 50 2"                                                              |    |    |      |     |     |      |      |     |    |    |
| P = DISTANCE BETWEEN NOZZLES                                       |    |    |      |     |     |      |      |     |    |    |
| N = NUMBER OF NOZZLES                                              |    |    |      |     |     |      |      |     |    |    |
| D = NOZZLE INNER DIAMETER                                          |    |    |      |     |     |      |      |     |    |    |
| L = DISTANCE BETWEEN START OF AIR CANNON HOSE AND THE FIRST NOZZLE |    |    |      |     |     |      |      |     |    |    |
| F = DISTANCE BETWEEN THE LAST NOZZLE AND THE BRACKET               |    |    |      |     |     |      |      |     |    |    |
| H = NOZZLE HEIGHT                                                  |    |    |      |     |     |      |      |     |    |    |
| A1 = START OF THE PLAIN PIPE                                       |    |    |      |     |     |      |      |     |    |    |
| A2 = START OF THE THREADED PIPE                                    |    |    |      |     |     |      |      |     |    |    |
| T1 = PIPE END WITH PLUG                                            |    |    |      |     |     |      |      |     |    |    |
| T2 = PIPE END WITH BRACKET                                         |    |    |      |     |     |      |      |     |    |    |

For special executions and boring exceeding 2", please contact our technical dept.



## DESCRIPTION

- 1 Air cannon
- 2 Nozzle
- 3 O-Ring
- 4 Plug
- 5 Bracket
- 6 Screws + Washers

