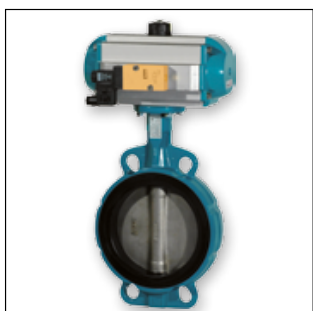




aerospace
 climate control
 electromechanical
 filtration
fluid & gas handling
 hydraulics
 pneumatics
 process control
 sealing & shielding



High Flow Valve Actuation Range
NAMUR Valves G1/4" & G1/2"
Piped Valves G1/4" & G1/2"
Banjo Valves G1/8" & G1/4"
 for Control of Pneumatic Actuators



ENGINEERING YOUR SUCCESS.

Market Description

Process industries
 Chemical, Petrochemical industries
 Oil & Gas
 Water & Sewage
 Pulp & Paper
 Food & Beverage
 Pharmaceutical industry
 Powder Dosing-Transportation
 Air Dryers

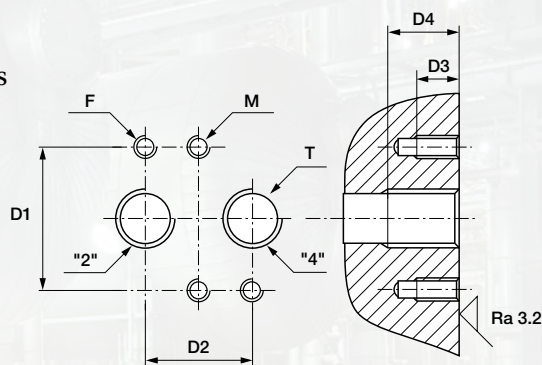


Description of Applications

Control of single or double acting pneumatic actuators, in safe or dangerous areas.

NAMUR Interfaces 1/4" & 1/2"

The interface design is conform to the NAMUR standard and to the VDI/VDE 3845 recommendations of the actuator industry. It allows a compact design of the actuator/valve unit. In case of a 3/2 function, the air of the actuator spring chamber also flows through the pilot valve (re-breather function). This prevents corrosion of the actuator springs.



| F | T | D1 mm | D2 mm | D3 mm | D4 min. mm | M mm |
|----|-----|----------|----------|----------|---------------|---------|
| M5 | 1/4 | 32 | 24 | 8 | 12 | M5 |
| M6 | 1/2 | 45 | 40 | 10 | 16 | M6 |

F: 2 mounting holes - T: 2 actuators control port - M: 2 holes for dowel pins

Customer Value Proposition

- High flow: 1.250 l/min (1/4"), 3.000 l/min (1/2")
- Compact design
- Long life expectancy
- Coil Modularity: a large part of the range is compatible with different types of coils, ATEX, non ATEX and Low Power
- Fail safe standard
- Reduced inventory (3/2 & 5/2 functions with the same valve on 341Nx5 series)
- Mechanical part of the valve ATEX certified according standard EN 13463-1 & -5 (with maximum capability of zone 1-21)



General Information

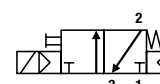
| | |
|---|---|
| Function: | 3/2, 5/2, 3/2 <=> 5/2 and 5/3 valves. |
| Manual override: | Standard on all versions. |
| Design: | Nxx & Pxx Series: Solenoid operated spool valve with combined spring and air return & external air pressure operated versions. B0x Series: Solenoid direct acting valve with spring return. |
| Mounting: | Nxx Series: For direct mounting on NAMUR interface 1/4" & 1/2" Pxx Series: Piped valves G1/4" & G1/2" Bxx Series: Equipped with a banjo bolt G1/8" or G1/4" |
| Mounting position: | Indifferent. |
| Material specifications: | Aluminium body. Internal parts of stainless steel. Sealing material from NBR. |
| Range of admissible pressure drop: | Δp min. = see table. Δp max. = 10 bar. |
| Media: | Dry or lubricated air. |
| Fluid temperature: | -20°C to +50°C |
| Ambient temperature: | -20°C to +50°C |
| Electrical part: | N0x / P0x / Bxx series are compatible with coils 496131 / 496482 / 496637 N3x / P3x series are compatible with coils part of electrical group 2.0 (8/9W), including 481865 / 495870 / 495905 N3x90 series are compatible with coils from electrical group 6.0,7.0,8.0 including 495900,495910,483580.01. N3x96/97 series are compatible with coils from electrical group 6.0 & 8.0 including 482740, 496125, 495910, 495900. |
| Solenoid duty: | 100% ED. |
| Voltage: | From 12 VDC to 48 VDC From 24 VAC to 230 VAC |
| Voltage tolerance: | See coil specification |
| Class of insulation material: | Class F or H |
| Standards: | Mechanical ATEX conform to EN 13463-1 & -5. |

NAMUR Valves G1/4" Series

Solenoid Operated Versions N03-N05 Series

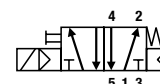
| Port size | Orifice | Q _v | Admissible differential pressure (bar) maximum | | | Fluid Temperature | | Seat disc | Reference number | | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-----|-------------------|--------|-----------|--------------------------|-----------------------|---------|------|-----------|--------------------------|-----|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | Max °C | | Valve without man. over. | Valve with man. over. | Housing | Coil | | DC= | AC~ | | | |
| G | mm | l/min | | | | | | | | | | | | | | | | |

3/2 Solenoid operated Combined spring & air return (monostable)



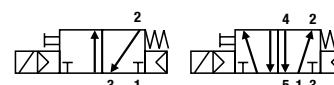
| | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|--------|------|---|---|-----|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N03 | - | 496131 | - | 3 | 3 | 300 | 1.2 | 1 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N03 | - | 496482 | - | 3 | 3 | 300 | 1.2 | 1 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N03 | - | 496637 | 2-22 | 3 | 3 | 300 | 1.2 | 1 |

5/2 Solenoid operated Combined spring & air return (monostable)



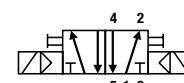
| | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|--------|------|---|---|-----|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N03 | - | 496131 | - | 3 | 3 | 300 | 1.2 | 2 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N03 | - | 496482 | - | 3 | 3 | 300 | 1.2 | 2 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N03 | - | 496637 | 2-22 | 3 | 3 | 300 | 1.2 | 2 |

3/2 <=> 5/2 with conversion plate - Solenoid operated Combined spring & air return (monostable)



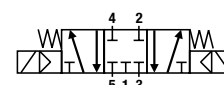
| | | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|----------|--------|---|--------|------|---|---|-----|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N0502 | 341N05 | - | 496131 | - | 3 | 3 | 310 | 1.2 | 3 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N0502 | 341N05 | - | 496482 | - | 3 | 3 | 310 | 1.2 | 3 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N0502 | 341N05 | - | 496637 | 2-22 | 3 | 3 | 310 | 1.2 | 3 |

5/2 Solenoid operated and return (bistable)



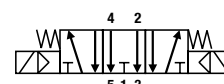
| | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|--------|------|---|---|-----|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N03 | - | 496131 | - | 3 | 3 | 430 | 1.2 | 4 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N03 | - | 496482 | - | 3 | 3 | 430 | 1.2 | 4 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N03 | - | 496637 | 2-22 | 3 | 3 | 430 | 1.2 | 4 |

5/3 W1 closed in center position Solenoid operated and return



| | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|--------|------|---|---|-----|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 342N03 | - | 496131 | - | 3 | 3 | 430 | 1.2 | 4 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 342N03 | - | 496482 | - | 3 | 3 | 430 | 1.2 | 4 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 342N03 | - | 496637 | 2-22 | 3 | 3 | 430 | 1.2 | 4 |

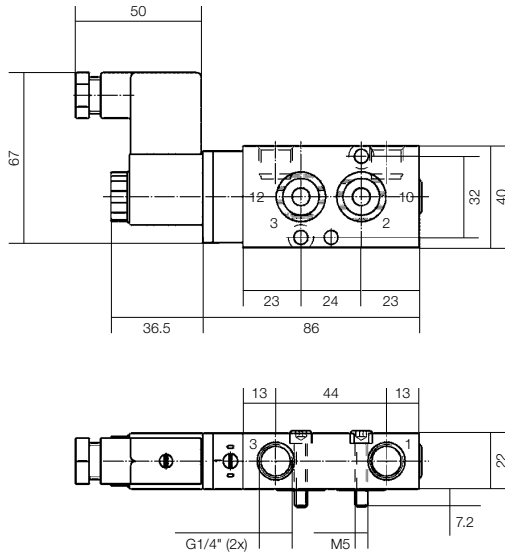
5/3 W3 exhausted in center position Solenoid operated and return



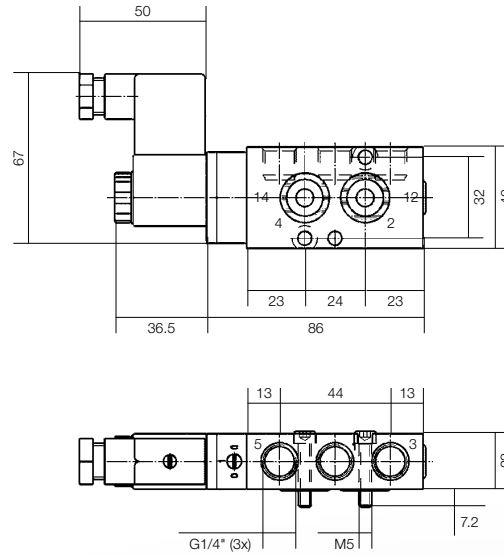
| | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|--------|---|---|---|-----|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 343N03 | - | 496131 | - | 3 | 3 | 430 | 1.2 | 4 |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|--------|---|---|---|-----|-----|---|

Please consult the "How to Order" part at the end of each coil chapter.

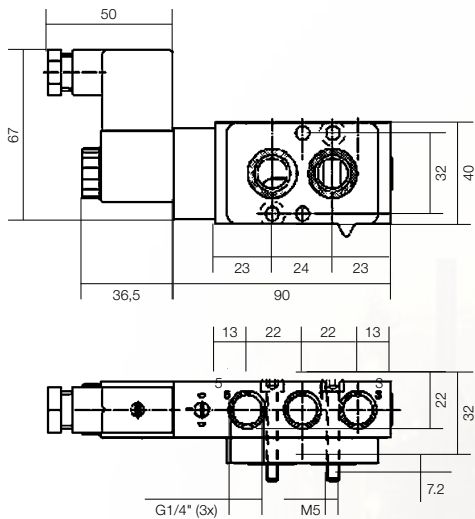
Dimensions Reference 1



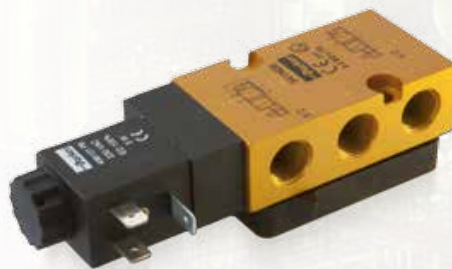
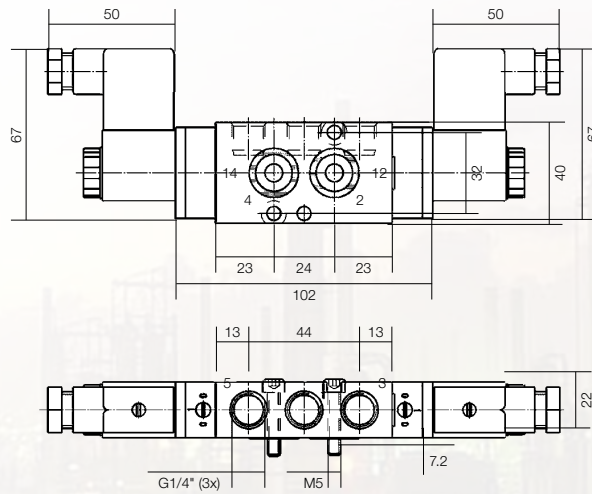
Dimensions Reference 2



Dimensions Reference 3



Dimensions Reference 4

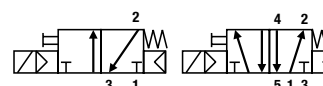


NAMUR Valves G1/4" Series

Solenoid Operated Versions N33-N35 Series

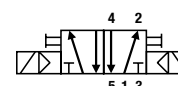
| Port size | Orifice | Q _v | Admissible differential pressure (bar) maximum | | | Fluid Temperature | | Seat disc | Reference number | | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-----|-------------------|--------|-----------|--------------------------|-----------------------|---------|------|-----------|--------------------------|-----|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | Max °C | | Valve without man. over. | Valve with man. over. | Housing | Coil | | DC= | AC~ | | | |
| G | mm | l/min | | | | | | | | | | | | | | | | |

3/2 <=>5/2 with conversion plate - Solenoid operated Combined spring & air return (monostable)



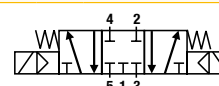
| | | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|----------|----------|------|-----------|------|-------|-----|-----|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N3502 | 341N35 | 2995 | 481865 | - | 9 | 8 | 480 | 2.0 | 5 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N3502 | 341N35 | 2995 | 495870 | 2-22 | 9 | 8 | 500 | 2.0 | 5 |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N3502 | 341N35 | - | 495905 | 1-21 | 8 | 8 | 740 | 2.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3590 | - | - | 483580.01 | 1-21 | 0.5-3 | - | 560 | 7.0 | 5 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3590 | - | - | 495910 | 1-21 | 0.3-3 | - | 920 | 8.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N3590 | - | - | 495900 | 1-21 | 2 | 2,5 | 920 | 6.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3596 | 341N3597 | 2995 | 482740 | - | 1,6 | - | 480 | 6.0 | 5 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3596 | 341N3597 | 2995 | 496125 | 2-22 | 1,6 | - | 500 | 6.0 | 5 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3596 | 341N3597 | - | 495910 | 1-21 | 0.3-3 | - | 920 | 8.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N3596 | 341N3597 | - | 495900 | 1-21 | 2 | 2,5 | 920 | 6.0 | - |

5/2 Solenoid operated and return



| | | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|----------|----------|--------|-----------|------|-------|-----|------|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N333 | 2995 | 481865 | - | 9 | 8 | 750 | 2.0 | 6 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N333 | 2995 | 495870 | 2-22 | 9 | 8 | 790 | 2.0 | 6 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N333 | - | - | 495905 | 1-21 | 8 | 8 | 1270 | 2.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3390 | - | - | 483580.01 | 1-21 | 0.5-3 | - | 790 | 7.0 | 6 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3390 | - | - | 495910 | 1-21 | 0.3-3 | - | 1420 | 8.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N3390 | - | - | 495900 | 1-21 | 2 | 2,5 | 1420 | 6.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3396 | 347N3397 | 2995 | 482740 | - | 1,6 | - | 750 | 6.0 | 6 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3396 | 347N3397 | 2995 | 496125 | 2-22 | 1,6 | - | 790 | 6.0 | 6 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3396 | 347N3397 | - | 495910 | 1-21 | 0.3-3 | - | 1420 | 8.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N3396 | 347N3397 | - | 495900 | 1-21 | 2 | 2,5 | 1420 | 6.0 | - |

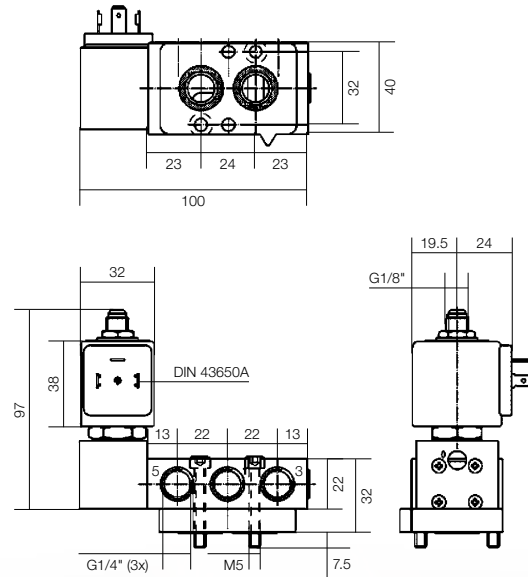
5/3 W1 Closed in center position Solenoid operated and return



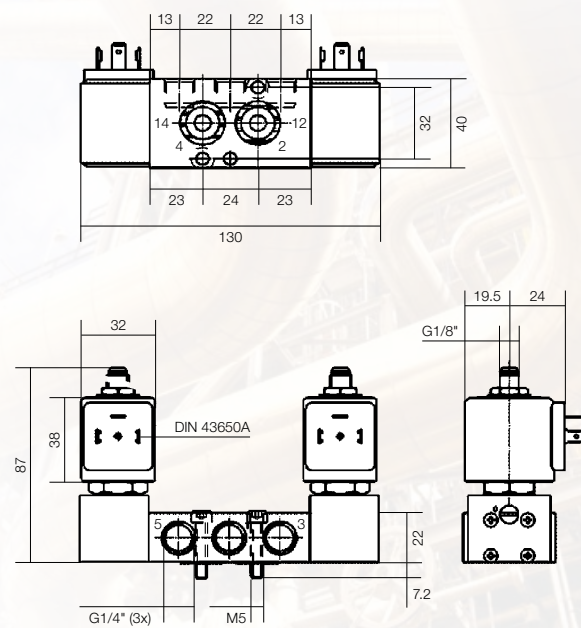
| | | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|----------|----------|--------|--------|------|-------|-----|------|-----|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 342N333 | 2995 | 481865 | - | 9 | 8 | 750 | 2.0 | 6 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 342N333 | 2995 | 495870 | 2-22 | 9 | 8 | 790 | 2.0 | 6 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 342N333 | - | - | 495905 | 1-21 | 8 | 8 | 1270 | 2.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 342N3396 | 342N3397 | 2995 | 482740 | - | 1,6 | - | 750 | 6.0 | 6 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 342N3396 | 342N3397 | 2995 | 496125 | 2-22 | 1,6 | - | 790 | 6.0 | 6 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 342N3396 | 342N3397 | - | 495910 | 1-21 | 0.3-3 | - | 1420 | 8.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 342N3396 | 342N3397 | - | 495900 | 1-21 | 2 | 2,5 | 1420 | 6.0 | - |

Please consult the "How to Order" part at the end of each coil chapter.

Dimensions Reference 5



Dimensions Reference 6

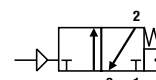


NAMUR Valves G1/4" Series

External Pressure Air Operated Series
5xx N03 Series

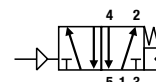
| Port size | Orifice | Q _n | Admissible differential pressure (bar) maximum | | | Fluid Temperature | | Seat disc | Reference number | | | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-----|-------------------|--------|-----------|--------------------------|---------|------|--------------------------|-----|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | Max °C | | Valve without man. over. | Housing | Coil | DC= | AC~ | | | |
| G | mm | l/min | | | | | | | | | | | | | | |

3/2 External pressure air operated
Combined spring & air return (monostable)
External pressure supply 2.5 to 10 bar



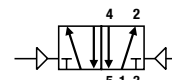
| | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 531N03 | - | w/o | - | - | 210 | - | 7 |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|

5/2 External pressure air operated
Combined spring & air return (monostable)
External pressure supply 2.5 to 10 bar



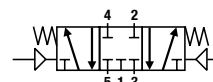
| | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 541N03 | - | w/o | - | - | 210 | - | 8 |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|

5/2 External pressure air operated
External pressure air return (bistable)
External pressure supply 2.5 to 10 bar



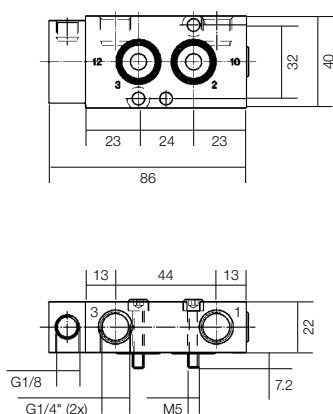
| | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 547N03 | - | w/o | - | - | 240 | - | 9 |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|

5/3 W1 closed in center position - External pressure air operated
External pressure air return
External pressure supply 2.5 to 10 bar

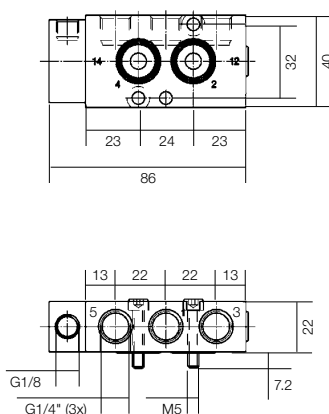


| | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 542N03 | - | w/o | - | - | 240 | - | 9 |
|-----|---|------|-----|----|----|-----|----|-----|--------|---|-----|---|---|-----|---|---|

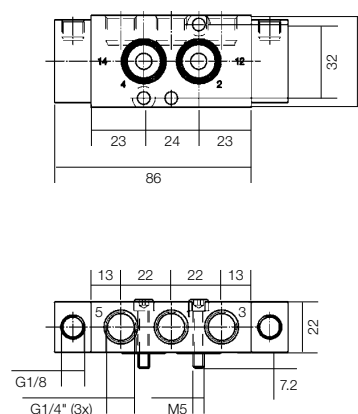
Dimensions Reference 7



Dimensions Reference 8



Dimensions Reference 9



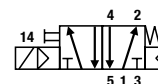
Please consult the "How to Order" part at the end of each coil chapter.

NAMUR Valves G1/2" Series

Solenoid Operated Versions N04 Versions

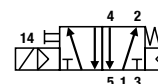
| Port size | Orifice | Q _v | Admissible differential pressure (bar) maximum | | Fluid Temperature | | Seat disc | Reference number | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|---------|-------------------|--------|-----------|--------------------------|-----------------------|---------|-----------|--------------------------|-----|------------|--------------|-----------|
| | | | min | DC= AC~ | Min °C | Max °C | | Valve without man. over. | Valve with man. over. | Housing | | Coil | DC= | | | |
| G | mm | l/min | min | DC= AC~ | °C | °C | | | | | | | | | | |

3/2 Solenoid operated Combined spring & air return (monostable)



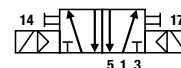
| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|----------|--------|---|--------|------|---|---|-----|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N0402 | 331N04 | - | 496131 | - | 3 | 3 | 910 | 1.2 | 10 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N0402 | 331N04 | - | 496482 | - | 3 | 3 | 925 | 1.2 | 10 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N0402 | 331N04 | - | 496637 | 2-22 | 3 | 3 | 925 | 1.2 | 10 |

5/2 Solenoid operated Combined spring & air return (monostable)



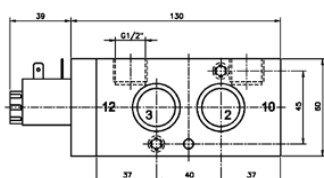
| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|--|--------|---|--------|------|---|---|-----|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | | 341N04 | - | 496131 | - | 3 | 3 | 910 | 1.2 | 11 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | | 341N04 | - | 496482 | - | 3 | 3 | 925 | 1.2 | 11 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | | 341N04 | - | 496637 | 2-22 | 3 | 3 | 925 | 1.2 | 11 |

5/2 Solenoid operated and return (bistable)

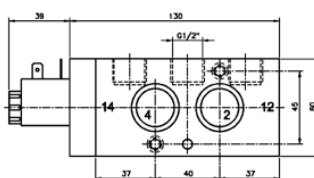


| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|--|--------|---|--------|------|---|---|------|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | | 347N04 | - | 496131 | - | 3 | 3 | 1240 | 1.2 | 12 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | | 347N04 | - | 496482 | - | 3 | 3 | 1255 | 1.2 | 12 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | | 347N04 | - | 496637 | 2-22 | 3 | 3 | 1255 | 1.2 | 12 |

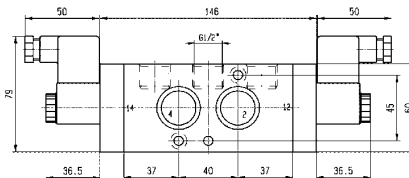
Dimensions Reference 10



Dimensions Reference 11



Dimensions Reference 12



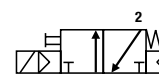
Please consult the "How to Order" part at the end of each coil chapter.

NAMUR Valves G1/2" Series

Solenoid Operated Versions N34 Series

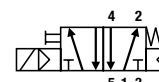
| Port size | Orifice | Q _n | Admissible differential pressure (bar) maximum | | Fluid Temperature | | Seat disc | Reference number | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-------------------|--------|-----------|------------------|--------------------------|-----------------------|-----------|--------------------------|------|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | | Max °C | Valve without man. over. | Valve with man. over. | | Housing | Coil | | | |
| G | mm | l/min | min | DC= | AC~ | Min °C | Max °C | | | | | | | | | |

3/2 Solenoid operated Combined spring & air return (monostable)



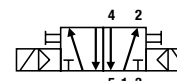
| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|----------|----------|------|--------|------|-------|-----|------|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N3402 | 331N34 | 2995 | 481865 | - | 9 | 8 | 810 | 2.0 | 13 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N3402 | 331N34 | 2995 | 495870 | 2-22 | 9 | 8 | 830 | 2.0 | 13 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N3402 | 331N34 | - | 495905 | 1-21 | 8 | 8 | 1150 | 2.0 | - |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 331N3496 | 331N3497 | 2995 | 482740 | - | 1,6 | - | 810 | 6.0 | 13 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 331N3496 | 331N3497 | 2995 | 496125 | 2-22 | 1,6 | - | 830 | 6.0 | 13 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 331N3496 | 331N3497 | - | 495910 | 1-21 | 0.3-3 | - | 1150 | 8.0 | - |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 331N3496 | 331N3497 | - | 495900 | 1-21 | 2 | 2,5 | 1150 | 6.0 | - |

5/2 Solenoid operated Combined spring & air return (monostable)



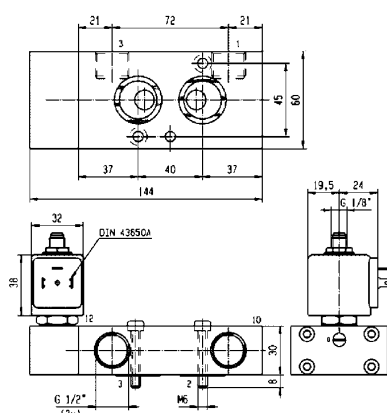
| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|----------|----------|--------|--------|------|-------|------|------|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N34 | 2995 | 481865 | - | 9 | 8 | 810 | 2.0 | 14 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N34 | 2995 | 495870 | 2-22 | 9 | 8 | 830 | 2.0 | 14 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N34 | - | 495905 | 1-21 | 8 | 8 | 1150 | 2.0 | - | |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3496 | 341N3497 | 2995 | 482740 | - | 1,6 | - | 810 | 6.0 | 14 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3496 | 341N3497 | 2995 | 496125 | 2-22 | 1,6 | - | 830 | 6.0 | 14 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 341N3496 | 341N3497 | - | 495910 | 1-21 | 0.3-3 | - | 1150 | 8.0 | - |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341N3496 | 341N3497 | - | 495900 | 1-21 | 2 | 2,5 | 1150 | 6.0 | - |

5/2 Solenoid operated and return (bistable)

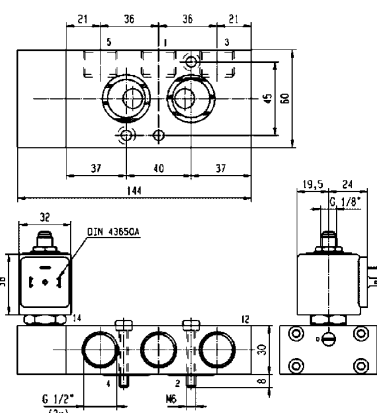


| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|----------|----------|--------|--------|------|-------|------|------|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N34 | 2995 | 481865 | - | 9 | 8 | 960 | 2.0 | 15 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N34 | 2995 | 495870 | 2-22 | 9 | 8 | 1000 | 2.0 | 15 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N34 | - | 495905 | 1-21 | 8 | 8 | 1640 | 2.0 | - | |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3496 | 347N3497 | 2995 | 482740 | - | 1,6 | - | 960 | 6.0 | 15 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3496 | 347N3497 | 2995 | 496125 | 2-22 | 1,6 | - | 1000 | 6.0 | 15 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 347N3496 | 347N3497 | - | 495910 | 1-21 | 0.3-3 | - | 1640 | 8.0 | - |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347N3496 | 347N3497 | - | 495900 | 1-21 | 2 | 2,5 | 1640 | 6.0 | - |

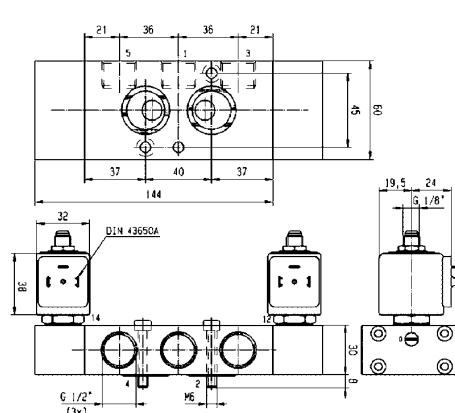
Dimensions Reference 13



Dimensions Reference 14



Dimensions Reference 15



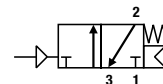
Please consult the "How to Order" part at the end of each coil chapter.

NAMUR Valves G1/2" Series

External Pressure Air Operated Series
5 xx N04 Series

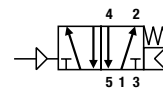
| Port size | Orifice | Q _v | Admissible differential pressure (bar) maximum | | | Fluid Temperature | | Seat disc | Reference number | | | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-----|-------------------|--------|-----------|-----------------------------|---------|------|--------------------------|-----|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | Max °C | | Valve without man. override | Housing | Coil | DC= | AC~ | | | |

3/2 External pressure air operated
Combined spring & air return (monostable)
External pressure supply 2.5 to 10 bar



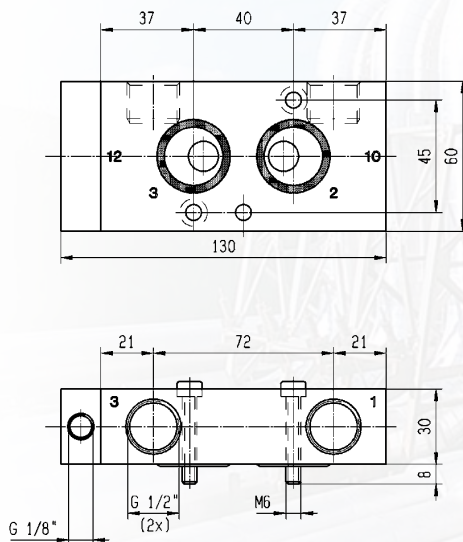
| | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|---------------|---|-----|---|---|-----|---|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 531N04 | - | w/o | - | - | 620 | - | 16 |
|-----|----|------|-----|----|----|-----|----|-----|---------------|---|-----|---|---|-----|---|----|

5/2 External pressure air operated
Combined spring & air return (monostable)
External pressure supply 2.5 to 10 bar

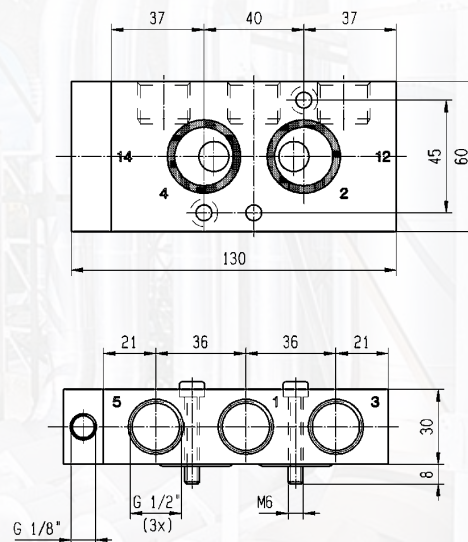


| | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|---------------|---|-----|---|---|-----|---|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 541N04 | - | w/o | - | - | 600 | - | 17 |
|-----|----|------|-----|----|----|-----|----|-----|---------------|---|-----|---|---|-----|---|----|

Dimensions Reference 16



Dimensions Reference 17



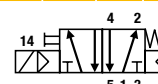
Please consult the "How to Order" part at the end of each coil chapter.

Piped Valves - G1/4" Series

Solenoid Operated Versions P33 Versions

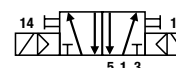
| Port size | Orifice | Q _n | Admissible differential pressure (bar) maximum | | Fluid Temperature | | Seat disc | Reference number | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-------------------|--------|-----------|------------------|--------------------------|-----------------------|-----------|--------------------------|------|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | | Max °C | Valve without man. over. | Valve with man. over. | | Housing | Coil | | | |
| G | mm | l/min | min | DC= | AC~ | Min °C | Max °C | | | | | | | | | |

5/2 Solenoid operated Combined spring & air return (monostable)



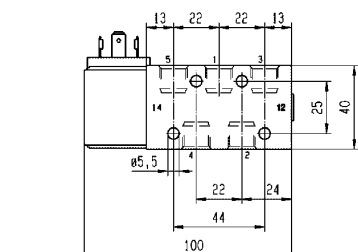
| | | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|----------|----------|--------|--------|------|-------|-----|-----|-----|----|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P33 | 2995 | 481865 | - | 9 | 8 | 470 | 2.0 | 20 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P33 | 2995 | 495870 | 2-22 | 9 | 8 | 490 | 2.0 | 20 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P33 | - | 495905 | 1-21 | 8 | 8 | 810 | 2.0 | - | |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341P3396 | 341P3397 | 2995 | 482740 | - | 1,6 | - | 470 | 6.0 | 20 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341P3396 | 341P3397 | 2995 | 496125 | 2-22 | 1,6 | - | 490 | 6.0 | 20 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 341P3396 | 341P3397 | - | 495910 | 1-21 | 0,3-3 | - | 810 | 8.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P3396 | 341P3397 | - | 495900 | 1-21 | 2 | 2,5 | 810 | 6.0 | - |

5/2 Solenoid operated and return (bistable)

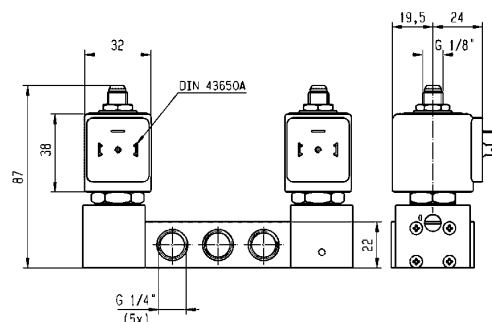
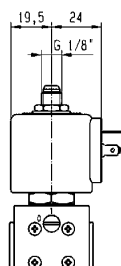
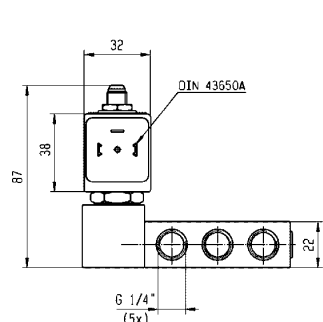
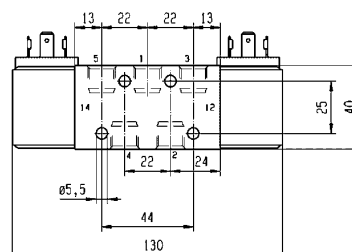


| | | | | | | | | | | | | | | | | | | |
|-----|---|------|-----|----|----|-----|----|-----|----------|----------|--------|--------|------|-------|-----|-----|-----|----|
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P33 | 2995 | 481865 | - | 9 | 8 | 620 | 2.0 | 21 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P33 | 2995 | 495870 | 2-22 | 9 | 8 | 640 | 2.0 | 21 | |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P33 | - | 495905 | 1-21 | 8 | 8 | 960 | 2.0 | - | |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347P3396 | 347P3397 | 2995 | 482740 | - | 1,6 | - | 620 | 6.0 | 21 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347P3396 | 347P3397 | 2995 | 496125 | 2-22 | 1,6 | - | 640 | 6.0 | 21 |
| 1/4 | 7 | 1250 | 2.5 | 10 | - | -20 | 50 | NBR | 347P3396 | 347P3397 | - | 495910 | 1-21 | 0,3-3 | - | 960 | 8.0 | - |
| 1/4 | 7 | 1250 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P3396 | 347P3397 | - | 495900 | 1-21 | 2 | 2,5 | 960 | 6.0 | - |

Dimensions Reference 20



Dimensions Reference 21



Please consult the "How to Order" part at the end of each coil chapter.

Piped Valves - G1/2" Series

Solenoid Operated Versions P04 Versions

| Port size | Orifice | Q _n | Admissible differential pressure (bar) maximum | | | Fluid Temperature | | Seat disc | Reference number | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-----|-------------------|--------|-----------|-----------------------|---------|------|-----------|--------------------------|-----|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | Max °C | | Valve with man. over. | Housing | Coil | | DC= | AC~ | | | |
| G | mm | l/min | | | | | | | | | | | | | | | |

5/2 Solenoid operated Combined spring & air return (monostable)



| | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|---------------|---|--------|------|---|---|-----|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P04 | - | 496131 | - | 3 | 3 | 670 | 1.2 | 22 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P04 | - | 496482 | - | 3 | 3 | 670 | 1.2 | 22 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P04 | - | 496637 | 2-22 | 3 | 3 | 670 | 1.2 | 22 |

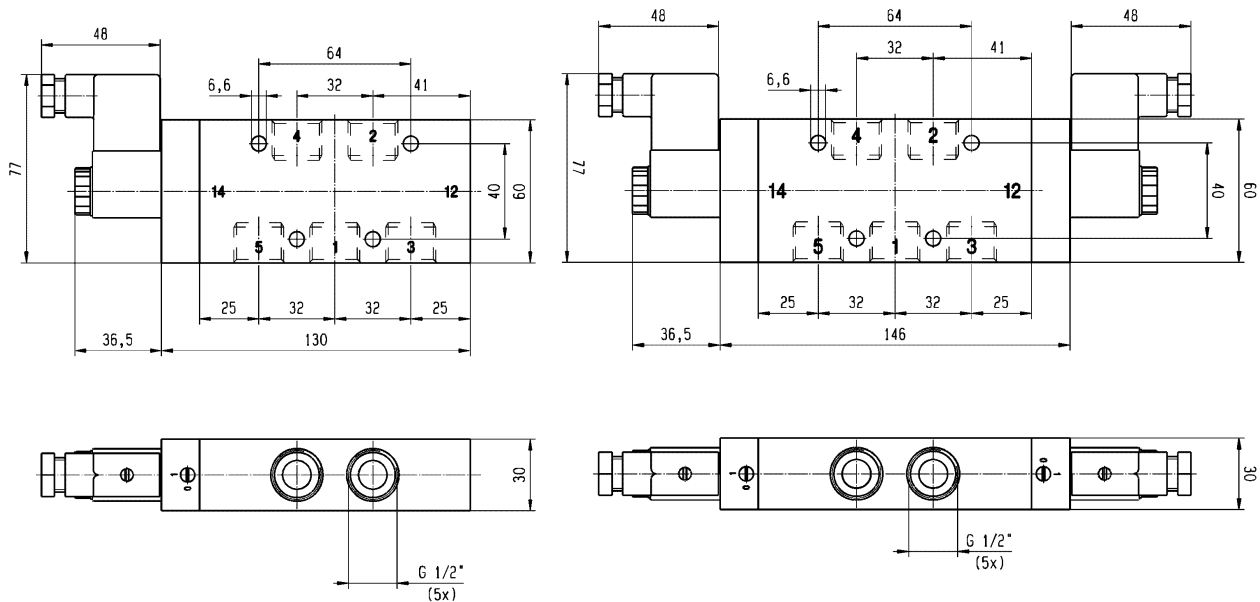
5/2 Solenoid operated and return (bistable)



| | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|---------------|---|--------|------|---|---|-----|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P04 | - | 496131 | - | 3 | 3 | 840 | 1.2 | 23 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P04 | - | 496482 | - | 3 | 3 | 840 | 1.2 | 23 |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P04 | - | 496637 | 2-22 | 3 | 3 | 840 | 1.2 | 23 |

Dimensions Reference 22

Dimensions Reference 23



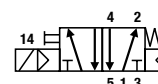
Please consult the "How to Order" part at the end of each coil chapter.

Piped Valves - G1/2" Series

Solenoid Operated Versions P34 Versions

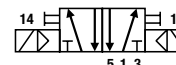
| Port size | Orifice | Q _v | Admissible differential pressure (bar) maximum | | Fluid Temperature | | Seat disc | Reference number | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|---------|-------------------|--------|-----------|--------------------------|-----------------------|---------|-----------|--------------------------|-----|------------|--------------|-----------|
| | | | min | DC= AC~ | Min °C | Max °C | | Valve without man. over. | Valve with man. over. | Housing | | Coil | DC= | | | |
| G | mm | l/min | min | DC= AC~ | Min °C | Max °C | | | | | | | | | | |

5/2 Solenoid operated Combined spring & air return (monostable)



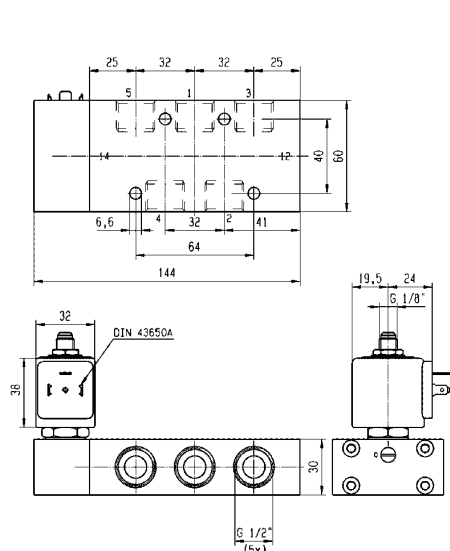
| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|----------|----------|--------|--------|------|-------|------|------|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P34 | 2995 | 481865 | - | 9 | 8 | 900 | 2.0 | 24 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P34 | 2995 | 495870 | 2-22 | 9 | 8 | 920 | 2.0 | 24 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P34 | - | 495905 | 1-21 | 8 | 8 | 1240 | 2.0 | - | |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 341P3496 | 341P3497 | 2995 | 482740 | - | 1,6 | - | 900 | 6.0 | 24 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 341P3496 | 341P3497 | 2995 | 496125 | 2-22 | 1,6 | - | 920 | 6.0 | 24 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 341P3496 | 341P3497 | - | 495910 | 1-21 | 0.3-3 | - | 1240 | 8.0 | - |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 341P3496 | 341P3497 | - | 495900 | 1-21 | 2 | 2,5 | 1240 | 6.0 | - |

5/2 Solenoid operated and return (bistable)

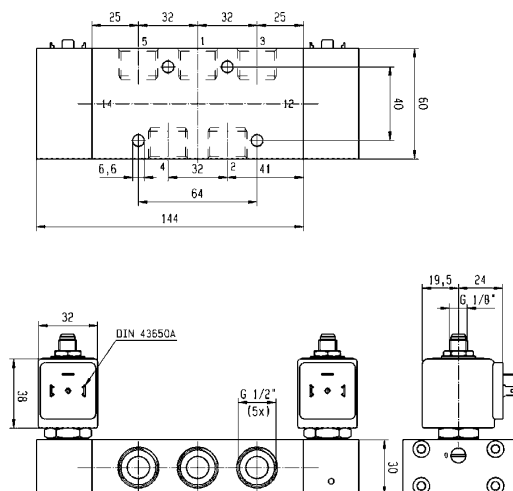


| | | | | | | | | | | | | | | | | | | |
|-----|----|------|-----|----|----|-----|----|-----|----------|----------|--------|--------|------|-------|------|------|-----|----|
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P34 | 2995 | 481865 | - | 9 | 8 | 1240 | 2.0 | 25 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P34 | 2995 | 495870 | 2-22 | 9 | 8 | 1280 | 2.0 | 25 | |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P34 | - | 495905 | 1-21 | 8 | 8 | 2080 | 2.0 | - | |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 347P3496 | 347P3497 | 2995 | 482740 | - | 1,6 | - | 1240 | 6.0 | 25 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 347P3496 | 347P3497 | 2995 | 496125 | 2-22 | 1,6 | - | 1280 | 6.0 | 25 |
| 1/2 | 12 | 3000 | 2.5 | 10 | - | -20 | 50 | NBR | 347P3496 | 347P3497 | - | 495910 | 1-21 | 0.3-3 | - | 2080 | 8.0 | - |
| 1/2 | 12 | 3000 | 2.5 | 10 | 10 | -20 | 50 | NBR | 347P3496 | 347P3497 | - | 495900 | 1-21 | 2 | 2,5 | 2080 | 6.0 | - |

Dimensions Reference 24



Dimensions Reference 25

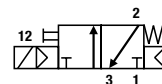


Please consult the "How to Order" part at the end of each coil chapter.

Banjo Valves - G1/4" & G1/8" Series

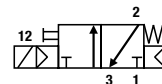
Solenoid Operated Versions
B14-B04 Versions

| Port size | Orifice | Q _n | Admissible differential pressure (bar) maximum | | | Fluid Temperature | | Seat disc | Reference number | | | Atex Zone | Consumption Power (Watt) | | Weight (g) | Elect. Group | Dim. Ref. |
|-----------|---------|----------------|--|-----|-----|-------------------|--------|-----------|-----------------------|---------|------|-----------|--------------------------|----|------------|--------------|-----------|
| | | | min | DC= | AC~ | Min °C | Max °C | | Valve with man. over. | Housing | Coil | | DC | AC | | | |



3/2 Solenoid operated - Spring return (monostable)

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|----|---|----|----|-----|----|-----|---------------|---|--------|------|---|---|-----|-----|----|
| 1/8 | 1/8 | 1.2 | 50 | 0 | 10 | 10 | -20 | 50 | NBR | 131B14 | - | 496131 | - | 3 | 3 | 140 | 1.2 | 26 |
| 1/8 | 1/8 | 1.2 | 50 | 0 | 10 | 10 | -20 | 50 | NBR | 131B14 | - | 496482 | - | 3 | 3 | 140 | 1.2 | 26 |
| 1/8 | 1/8 | 1.2 | 50 | 0 | 10 | 10 | -20 | 50 | NBR | 131B14 | - | 496637 | 2-22 | 3 | 3 | 140 | 1.2 | 26 |

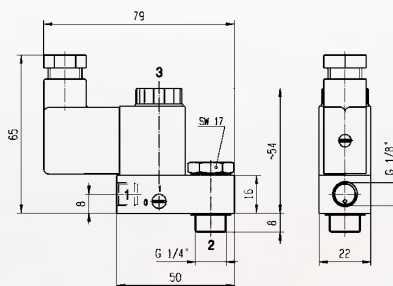
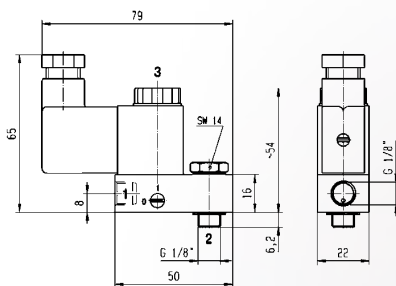


3/2 Solenoid operated - Spring return (monostable)

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|----|---|----|----|-----|----|-----|---------------|---|--------|------|---|---|-----|-----|----|
| 1/4 | 1/8 | 1.2 | 50 | 0 | 10 | 10 | -20 | 50 | NBR | 131B04 | - | 496131 | - | 3 | 3 | 160 | 1.2 | 27 |
| 1/4 | 1/8 | 1.2 | 50 | 0 | 10 | 10 | -20 | 50 | NBR | 131B04 | - | 496482 | - | 3 | 3 | 160 | 1.2 | 27 |
| 1/4 | 1/8 | 1.2 | 50 | 0 | 10 | 10 | -20 | 50 | NBR | 131B04 | - | 496637 | 2-22 | 3 | 3 | 160 | 1.2 | 27 |

Dimensions Reference 26

Dimensions Reference 27



Please consult the "How to Order" part at the end of each coil chapter.

Coils and Spare Parts Informations

COIL GROUP

1.2

COMPACT COILS FOR N03 - N04 - N05 Series DIN PLUG CONNECTION



Safe Area

This coil can be mounted with every Parker solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages. This coil is designed for valves equipped with a miniature tube assembly. This is an encapsulated assembly comprising a coil, integral magnetic iron path.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coil conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

DIN plug connector to be ordered separately (see coil accessories section).



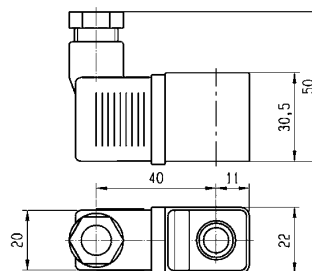
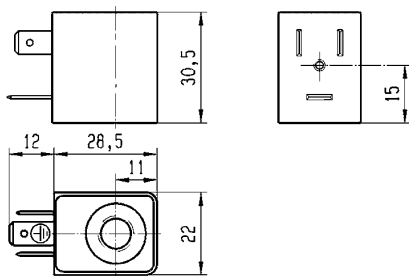
| Specification | | Double frequency | | | |
|------------------------------|----|--|---------------|-------|------|
| Reference (without DIN Plug) | | 496131 (Dim. Ref. 1) | | | |
| Reference (with DIN Plug) | | 496482 (Dim. Ref. 2) | | | |
| Coil group | | 1.2 | | | |
| Degree of protection | | IP65 according to IEC / EN 60529 standards (with DIN plug). | | | |
| Class of insulation | | F 155°C | | | |
| Electrical connection | | The coil is connected with a 2 P + E plug according to EN 175301-803 type B. | | | |
| Ambient temperature | | -20°C to +50°C The application is limited also by the temperature range of the valve. | | | |
| Elect. Power | DC | Pn (hot) | 3 W | | |
| | | P (cold) 20°C | - | | |
| | AC | Pn (holding) | 5 VA (50Hz) | | |
| | | Attraction cold | 8,5 VA (50Hz) | | |
| Weight | | 60 g | | | |
| Voltages "Un" | | VAC/Hz | Code | VDC | Code |
| -10% to +10% of the Un | | 24/50-60 | P0 | 24 V | C2 |
| | | 110/50-60 | P2 | 48 V | C4 |
| | | 230/50-60 | P9 | 110 V | C5 |
| | | 48/50-60 | S4 | | |

To Order a Coil choose Coil Ref + Voltage Code, example: 496131 for 24 VDC = 496131C2

"The housing kit is already included in the valve reference, it is not needed to order it separately."

Dimensions Reference 1

Dimensions Reference 2



Coils and Spare Parts Informations

COIL GROUP

1.2

COMPACT COILS FOR N03-N04-N05 Series Non Sparking Protection - DIN PLUG



This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Application:

Control of solenoid valves in dangerous areas where explosion-proof protection is required.

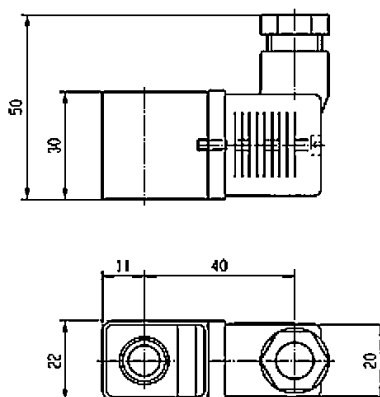
Benefits:

The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc. Small size for ease of mounting in confined spaces.



| Specification | | Double Frequency | | | |
|------------------------|------|--|---------------|-------|------|
| Reference | | 496637 | | | |
| Certificate | | ATEX | | | |
| Coil group | | 1.2 | | | |
| Type of protection | Gas | Ex nAc nC ₁ IIC T5 | | | |
| | Dust | II 3 D - Ex tc III C - T 95°C | | | |
| Degree of protection | | IP65 (with plug) according to IEC/EN 60529 | | | |
| Ambiant temperature | | -20°C to +50°C The application is limited also by the temperature range of the valve. | | | |
| Insulation Class | | F 155°C | | | |
| Elect. Power | DC | Pn (hot) | 3 W | | |
| | | P (cold) 20°C | - | | |
| | AC | Pn (holding) | 5 VA (50Hz) | | |
| | | Attraction cold | 8,5 VA (50Hz) | | |
| Weight | | 75 g | | | |
| Voltages "Un" | | VAC/Hz | Code | VDC | Code |
| -10% to +10% of the Un | | 24/50-60 | P0 | 24 V | C2 |
| | | 110/50-60 | P2 | 48 V | C4 |
| | | 230/50-60 | P9 | 110 V | C5 |
| | | 48/50-60 | S4 | | |

To Order a Coil choose Coil Ref + Voltage Code, example: 496637 for 24 VDC = 496637C2



COIL GROUP

2.0/2.1

COILS FOR N33-N34-N35 Series DIN PLUG CONNECTION



Safe Area

These coils can be mounted with every Parker solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages. This is an encapsulated assembly comprising a coil, integral magnetic iron path and snap-on plug connection.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

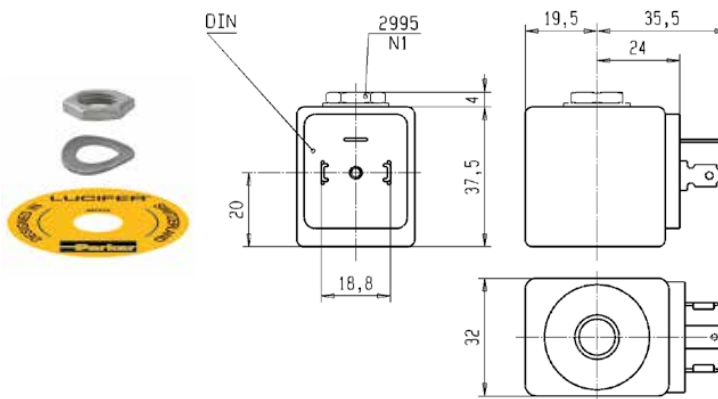


| Specification | | Standard | | | Double frequency | | |
|-------------------------|----|---|-------------|-----|------------------|--------------------|------|
| Ref. (without DIN plug) | | 481865 | | | 483510 | | |
| Ref. (with DIN plug) | | 482725 | | | 482635 | | |
| Coil Group | | 2.0 / 2.1 | | | | | |
| Degree of protection | | IP65 according to IEC / EN 60529 standards (with DIN plug). | | | | | |
| Class of insulation | | F 155°C | | | | | |
| Electrical connection | | The coil is connected with a 2 P + E plug according to EN 175301-803 type A | | | | | |
| Ambient temperature | | -40°C to +50°C - The application is limited also by the temperature range of the valve. | | | | | |
| Elect. Power | DC | Pn (hot) | 9 W | | | - | |
| | | P (cold) 20°C | 12 W | | | - | |
| | AC | Pn (holding) | 8 W | | | 9 W | |
| | | Attraction cold | 26 VA (9 W) | | | 32 VA (10 W) | |
| Weight | | 130 g (without plug) | | | | | |
| Voltages "Un" | | VAC/Hz | Code | VDC | Code | VAC/Hz | Code |
| -10% to +10% of the Un | | 24/50 | A2 | 24 | C2 | 24/50, 24/60 | P0 |
| | | 48/50 | A4 | 48 | C4 | 48/50, 48/60 | S4 |
| | | 110/50 | A5 | 110 | C5 | 110-115/50, 120/60 | S5 |
| | | 220-230/50 | 3D | | | 220-240/50, 240/60 | S6 |

To Order a Coil choose Coil Ref + Voltage Code, example: 481865 for 24 VDC = 481865C2

These coils must be used with suitable housings, see example below:

The coil assembly kit Ref. 2995 corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil - voltage). It is composed of a nameplate, a label giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



Coils and Spare Parts Informations

Safe Area

COIL GROUP

2.0/2.1

COILS FOR N33-N34-N35 Series
SCREW TERMINAL



These coils can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages. They can be mounted with all metal housings.

The coil winding is completely encapsulated in synthetic material. Easy mounting in confined spaces. Electrical connection with screw terminals for wire up to 1.5 mm².

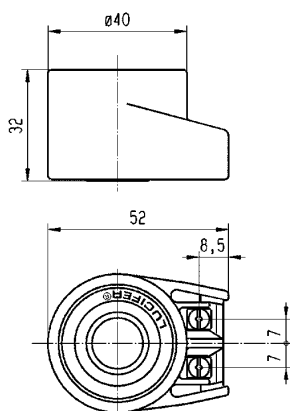
Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.



| Specification | | Standard | | | Double Frequency | | |
|--|----|--|-------------|-----|------------------|-------------------|------|
| Reference | | 481000 | | | 483520 | | |
| Coil Group | | 2.0 / 2.1 | | | | | |
| Class of insulation | | F 155°C | | | | | |
| Ambient temperature | | -40°C to +50°C The application is limited also by the temperature range of the valve. | | | | | |
| Elect. Power | DC | Pn (hot) | 8W | | | - | |
| | | P (cold) 20°C | 9W | | | - | |
| | AC | Pn (holding) | 8W | | | 9W | |
| | | Attraction cold | 32 VA (9 W) | | | 36 VA (10 W) | |
| Weight | | 130 g | | | 130 g | | |
| Voltages "Un" | | VAC/Hz | Code | VDC | Code | VAC/Hz | Code |
| -10% to +10% of the Un (-15 % to +5 % for double-frequency coil with voltage code S6 if 240 V/50/Hz is used). | | 24/50 | A2 | 24 | C2 | 24/50-60 | P0 |
| | | 48/50 | A4 | 48 | C4 | 48/50-60 | S4 |
| | | 110/50-115/50 | 0A | 110 | C5 | 110-115/50-120/60 | S5 |
| | | 220/50-230/50 | 3D | | | 220-240/50-240/60 | S6 |

To Order a Coil choose Coil Ref + Voltage Code, example: 4828 for 24 VDC = 481000C2

These coils must be used with suitable housings, see examples below:



Ref. 4270 - Protection IP 44 according to IEC / EN 60529 standard (with cable gland)

Ref. 4538 - Protection IP 67 according to IEC / EN 60529 standard

COIL GROUP

6.0

COILS FOR N339x-N349x-N359x Series
LOW POWER - DIN PLUG CONNECTION



Safe Area

These coils can be mounted with every Parker Solenoid Valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages. They can be mounted with all metal housings.

The synthetic material encapsulation provides an effective compact housing, offering full protection against dust, oil, water, etc. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Coils conform to the IEC/CENELEC safety standards and complies with European low-voltage directive.

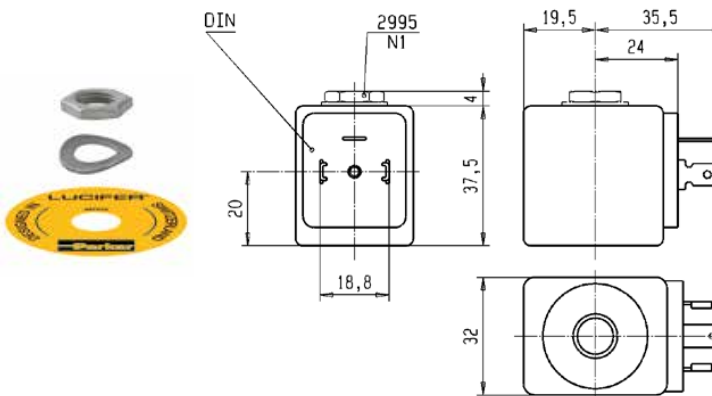


| Specification | | Miniwatt | |
|------------------------------|----|--|-------|
| Reference (without DIN plug) | | 482740 | |
| Reference (with DIN plug) | | 482745 | |
| Coil Group | | 6.0 | |
| Degree of protection | | IP65 according to IEC / EN 60529 standards (with DIN plug). | |
| Class of insulation | | F 155°C | |
| Electrical connection | | The coil is connected with a 2 P + E plug according to EN 175301-803 type A | |
| Ambient temperature | | -40°C to +50°C The application is limited also by the temperature range of the valve. | |
| Elect. Power | DC | Pn (hot) | 1.6 W |
| | | P (cold) 20°C | 2.1 W |
| | AC | Pn (holding) | - |
| | | Attraction cold | - |
| Weight | | 130 g (without plug) | |
| Voltages "Un" | | VDC | Code |
| -10% to +10% of the Un | | 24 | C2 |
| | | 48 | C4 |
| | | 110 | C5 |

To Order a Coil choose Coil Ref + Voltage Code, example: 482740 for 24 VDC = 482740C2

These coils must be used with suitable housings, see example below:

The coil assembly kit Ref. 2995 corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil - voltage). It is composed of a nameplate, a label giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



Coils and Spare Parts Informations

ATEX Zone 22

COIL GROUP

2.0/2.1

**COILS FOR N33-N34-N35 Series
Non Sparking Protection - DIN PLUG**



These coils can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Application: Control of solenoid valves in dangerous areas where non sparking protection Ex nc AC IIC T3 to T4 is required.

Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc. Coils conforms to the IEC/CENELEC safety standards and complies with European low-voltage directive.

Small size for ease of mounting in confined spaces.



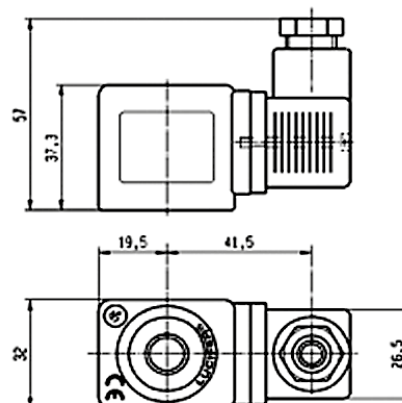
| | | | | |
|-----------------------------|--|--|-------------|-------------|
| Reference | 495870 | | | |
| Certificate | LCIE 05 ATEX 6003 X | | | |
| Coil Group | 2.0 / 2.1 | | | |
| Type of protection | Gas | II 3 G - Ex nAc nC IIC T3 to T4 | | |
| | Dust | II 3 D - Ex tc IIIC - T195°C to T130°C | | |
| Degree of protection | IP65 (with plug) according to IEC/EN 60529 | | | |
| Insulation Class | F (155°C) | | | |
| Duty cycle | 100% | | | |
| Ambiant temperature | -40°C to +50°C The application is limited also by the temperature range of the valve. | | | |
| Elect. Power | DC | Pn (hot) | 9 W | |
| | | P (cold) 20°C | 12 W | |
| | AC | Pn (holding) | 8 W | |
| | | Attraction cold | 26 VA (9 W) | |
| Weight | 150 g | | | |
| Voltages "Un" | VAC/Hz | Code | VDC | Code |
| -10% to +10% of the Un | 24/50 | A2 | 24 | C2 |
| | 48/50 | A4 | 48 | C4 |
| | 110/50 | A5 | 110 | C5 |
| | 220-230/50 | 3D | | |

To Order a Coil choose Coil Ref + Voltage Code, example: 495870 for 24 VDC = 495870C2

These coils must be used with suitable housings, see example below:

The coil assembly kit Ref. 2995 corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil - voltage).

It is composed of a nameplate, a label giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



COIL GROUP

6.0

COILS FOR N339x-N349x-N359x Series
Non Sparking Protection - LOW POWER



ATEX Zone 2-22

These coils can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

Application: Control of solenoid valves in dangerous areas where non sparking protection Ex nAc nCc IIC T5/T6 is required. Ease of mounting in confined space - offers shock and corrosion protection - simplifies conversion of existing equipment to other requirements, etc.

Benefits: The synthetic material encapsulation of the coil provides an effective compact housing, offering full protection against dust, oil, water, etc. Small size for ease of mounting in confined spaces.



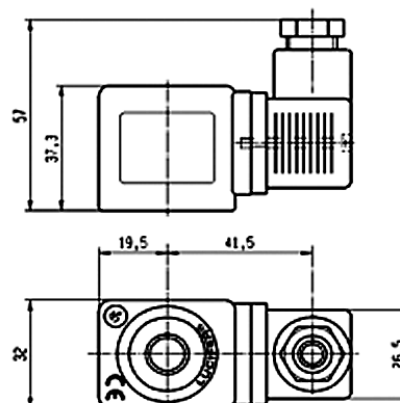
| | | | |
|---|---|----------------------------------|-------|
| Reference | 496125 | | |
| Certificate | LCIE 05 ATEX 6003 X | | |
| Coil group | 6.0 | | |
| Type of protection | Gas | II 3 G - Ex nAc nCc IIC T5 to T6 | |
| | Dust | II 3 D Ex tc IIC T95°C to T80°C | |
| Degree of protection | IP65 (with plug) according to IEC/EN 60529 Standards | | |
| Insulation Class | F (155°C) | | |
| Duty cycle | 100% | | |
| Ambiant temperature | -40°C to +65°C / 50°C The application is limited also by the temperature range of the valve. | | |
| Elect. Power | DC | Pn (hot) | 1.6 W |
| | | P (cold) 20°C | 2.1 W |
| | AC | Pn (holding) | - |
| | | Attraction cold | - |
| Weight | 150 g | | |
| Voltages "Un" -10% to +10% of the Un | VDC | | Code |
| | | 24 | C2 |
| | | 48 | C4 |
| | | 110 | C5 |

To Order a Coil choose Coil Ref + Voltage Code, example: 496125 for 24 VDC = 496125C2

These coils must be used with suitable housings, see example below:

The coil assembly kit Ref. 2995 corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil - voltage).

It is composed of a nameplate, a label giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



COIL GROUP

2.0/2.1 COILS FOR N33-N34-N35 Series Flameproof & Encapsulated



These coils can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

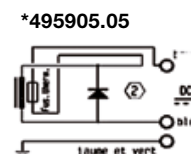
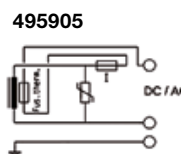
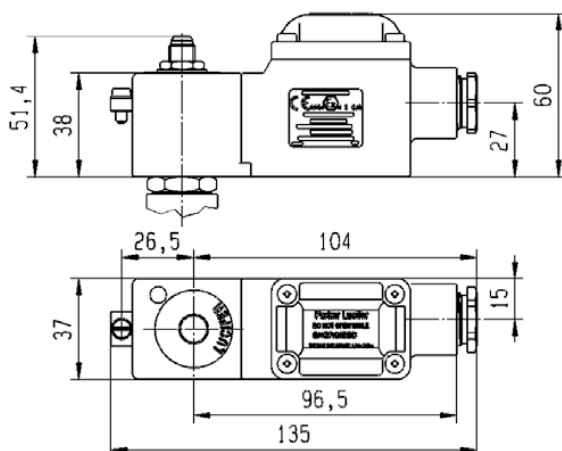
Application: Control of solenoid valves in dangerous areas where Flameproof & Encapsulated protection Ex db mb IIC T4 is required.

Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection. The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.



| | | | |
|-----------------------------|--|-----------------------------|-----|
| Reference | 495905 | | |
| Certificate | LCIE 03 ATEX 6451 X / 04 - IECEx LCI 06.0004 X | | |
| Coil Group | 2.0 / 2.1 | | |
| Type of protection | Gas | II 2 G - Ex db mb IIC T4 | |
| | Dust | II 2 D - Ex tb IIC - T130°C | |
| Degree of protection | IP67 | | |
| Ambient temperature | -40°C to +65°C The application is limited also by the temperature range of the valve. | | |
| Class of insulation | H (180 °) | | |
| Electrical connection | Electric connection is done in the connection box on an easily accessible connector terminals. The introduction of the cable (Ø min 5 mm, Ømax. 11 mm, section max. 2.5 mm²) in the connection box passes by the built in M20 x 1.5 cable gland. | | |
| Elect. Power | DC | Pn (hot) | 8 W |
| | | P (cold) 20°C | 9 W |
| | AC | Pn (holding) | 8 W |
| | | Attraction cold | 9 W |
| Voltages "Un" | VAC/Hz | Code | |
| -10% to +10% of Un for AC | 24/50 | A2 | |
| - 10 % to + 10 % for Un DC. | 48/50 | A4 | |
| | 115/50 | E5 | |
| | 230/50 | F4 | |

To Order a Coil choose Coil Ref + Voltage Code, example: 495905 for 24 VDC = 495905C2



Coils and Spare Parts Informations

COIL GROUP

6.0

**COILS FOR N339x-N349x-N359x Series
Flameproof & Encapsulated
LOW POWER**



ATEX zone 1-21

This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages.

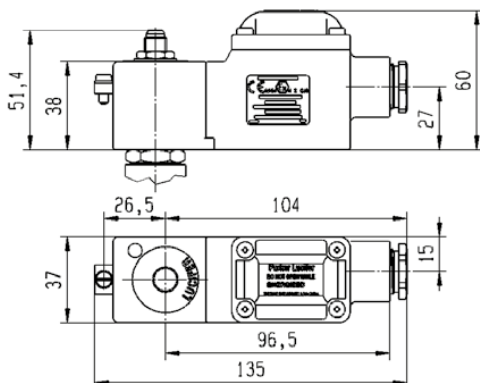
Application: Control of solenoid valves in dangerous areas where Flameproof & Encapsulated protection Ex db mb IIC T4 to T6 is required.

Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection. The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in confined space.



| Reference | 495900 (VAC) | | 495900 (VDC) | | |
|--|---|---|--------------------------------|---|------|
| Certificate | LCIE 03 ATEX 6451 X / 04- IECEx LCI 06.0004 X | | | | |
| Coil Group | 6.0 | | | | |
| Type of protection | Gas | II 2 G - Ex db mb IIC T4 / T5 / T6 | | II 2 G - Ex db mb IIC T4 / T5 / T6 | |
| | Dust | II 2 D Ex tb IIIC - 130°C / 95°C / 80°C | | II 2 D Ex tb IIIC - 130°C / 95°C / 80°C | |
| Degree of protection | IP67 | | | | |
| Ambient temperature | -40°C to +80°C / +55°C / +40°C | | -40°C to +80°C / +65°C / +55°C | | |
| The application is limited also by the temperature range of the valve. | | | | | |
| Class of insulation | H (180 °) | | | | |
| Electrical connection | Electric connection is done in the connection box on an easily accessible connector terminals. The introduction of the cable (Ø min 5 mm, Ømax. 11 mm, section max. 2.5 mm²) in the connection box passes by the built in M20 x 1.5 cable gland | | | | |
| Elect. Power | DC | Pn (hot) | - | 2 W | |
| | | P (cold) 20°C | - | 2.5 W | |
| | AC | Pn (holding) | 2.5 W | - | |
| | | Attraction cold | 3 W | - | |
| Voltages "Un" | | VAC/Hz | Code | VDC | Code |
| -10% to +10% of Un for AC - 10 % to + 10 % for Un DC. | | 24/50 | A2 | 24 | C2 |
| | | 48/50 | A4 | 48 | C4 |
| | | 115/50 | E5 | 110 | C5 |
| | | 230/50 | F4 | | |

To Order a Coil: Coil Ref + Voltage Code, example: 495900 for 24 VDC = **495900C2**



COIL GROUP
2.0/2.1
**COILS FOR N33-N34-N35 Series
Increased Safety**


This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages.

Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex eb II T3 or T4 is required.

Benefits: Rotatable housing 360°, galvanized steel with internal and external screw terminals for earth connection.

Small size for ease of mounting in confined space. Simplifies conversion of existing equipment to hazardous area requirements.



| Reference | | 483371 | | | 494040 | | | | |
|------------------------|------|--|----------------------|-----------------|--|-------------|------|-----|------|
| Certificate | | LCIE 02 ATEX 6011 X | | | LCIE 02 ATEX 6013 X | | | | |
| Coil Group | | 2.0 / 2.1 | | | | | | | |
| Type of protection | Gas | II 2 G - Ex eb IIC T4 | | | II 2 G - Ex eb IIC T3 / T4 | | | | |
| | Dust | II 2 D - Ex tb IIIC - T130°C | | | II 2 D - Ex tb IIIC - T195°C / T130 °C | | | | |
| Degree of protection | | IP67 | | | | | | | |
| Ambiant temperature | | -40°C to +65°C | | | -40°C to +90°C / to +65°C | | | | |
| | | The application is limited also by the temperature range of the valve. | | | | | | | |
| Class of insulation | | F 155°C | | | F (180°) | | | | |
| Electrical connection | | By special cable gland or M20 x 1.5 "Ex eb" on screw terminals for wires up to 1.5 mm ² . Cables with outside diameter 6.5 mm to 13.5 mm can be simply sealed using the rubber gland with resilient sealing rings supplied. | | | | | | | |
| Elect. Power | DC | Pn (hot) | 8 W | | | 8 W | | | |
| | | P (cold) 20°C | 9 W | | | 9 W | | | |
| | AC | Pn (holding) | 8 W | | | 8 W | | | |
| | | Attraction cold | 32 VA (9 W) | | | 32 VA (9 W) | | | |
| Weight | | 320 g | | | | | | | |
| Voltages "Un" | | VAC/Hz | Code | VDC | Code | VAC/Hz | Code | VDC | Code |
| -10% to +10% of the Un | | 24/50 48/50 110-115/50 220-230/50 | A2 A4 0A 3D | 24 48 110 | C2 C4 C5 | 220-230/50 | 3D | 24 | C2 |

To Order a Coil choose Coil Ref + Voltage Code, example: 483371 for 24 VDC = 483371C2

Fuses:

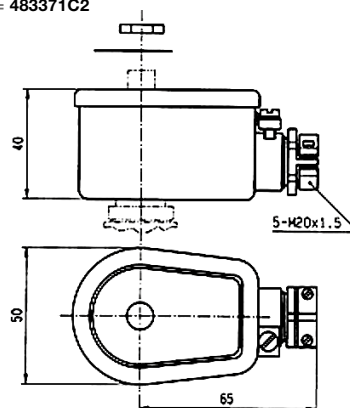
Both electrical parts have to be connected in series with a safety fuse according to IEC 60127-3.

483371:

DC: 24 V, 400 mA - 48V, 250 mA - 110 V, 100 mA
AC 50HZ: 24 V, 630 mA - 48V, 315 mA - 110 V, 160 mA - 220/230 V, 80 mA

494040:

DC: 12 V, 400 mA - 24V, 200 mA - 48 V, 100 mA - 110V, 50 mA
AC 50HZ: 24 V, 250 mA - 48V, 125 mA - 110/115 V, 63 mA - 220/230 V, 32 mA



COIL GROUP

8.0

COILS FOR N339x-N349x-N359x Series
Intrinsic Safety



ATEX zone 1-21

These coils can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group. See column "Coil Group" within valve pages. These coils are Zone 0 capable but when used with an high flow valve that is zone 1 capable only, the assembly created is zone 1 capable.

Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia IIC T4 to T6 is required.

Benefits: Rotatable 360° fibreglass-reinforced plastic housing (Class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

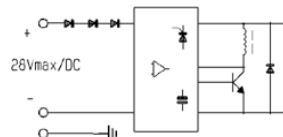
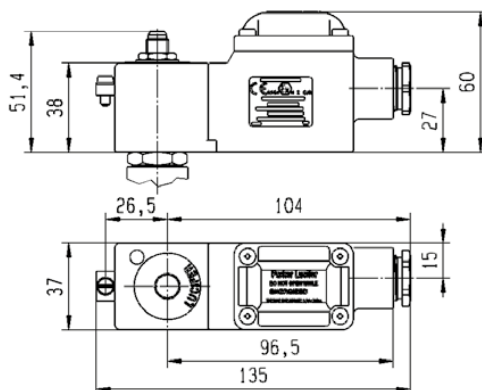
Small size for ease of mounting in confined space.

Available only in 28 VDC (code: N7)



| | | |
|-------------------------|---|---|
| Reference | 495910 | |
| Certificate | LCIE 03 ATEX 6464 X - IECEx LCI 07.0006 X | |
| Coil Group | 8.0 | |
| Type of protection | Gas | II 1 G - Ex ia IIB or IIC - T4 to T6 |
| | Dust | II 1 D - Ex ta IIC - T130°C to T80°C |
| Degree of protection | IP67 | |
| Ambiant temperature | -40°C to +65°C / +75°C / +80°C The application is limited also by the temperature range of the valve. | |
| Electrical connection | Electric connection is done in the connection box on an easily accessible connector terminals. The introduction of the cable (Ø min 7 mm, Ømax. 11 mm, section max. 2.5 mm²) in the connection box passes by the built in M20 x 1.5 cable gland | |
| Maximum supply voltage | 28 VDC (N7) - 110 mA | |
| Power | DC | Minimum |
| | | Maximum |
| | | Depending on applied voltage, IS barrier type and resistance of connected cable |
| Line check | 4 mA or 5 VDC max | |
| Coil resistance at 20°C | Charge ~ 550 Ω - Holding ~ 500 Ω | |
| Impedance | 0 mH | |
| Apparent inductance | 0 µF | |
| Response time | 2 - 3 s | |
| Weight | 500 g | |

To Order a Coil choose Coil Ref + Voltage Code, example: 495910 for 28 VDC = 495910N7



Coils and Spare Parts Informations

COIL GROUP
7.0

**COILS FOR N3390-N3590 Series
Intrinsic Safety**



These coils can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.

See column "Coil Group" within valve pages. These coils are Zone 0 capable but when used with an high flow valve that is zone 1 capable only, the assembly created is zone 1 capable.

Application: Control of solenoid valves in dangerous areas where explosion-proof protection Ex ia or ib IIC T6 is required.

Benefits: Fully encapsulated assembly comprising a coil, metal armature, three diodes circuit and DIN plug connection. The encapsulation provides an effective compact housing offering full protection against dust, oil, water, etc. Small size for ease of mounting in confined space.

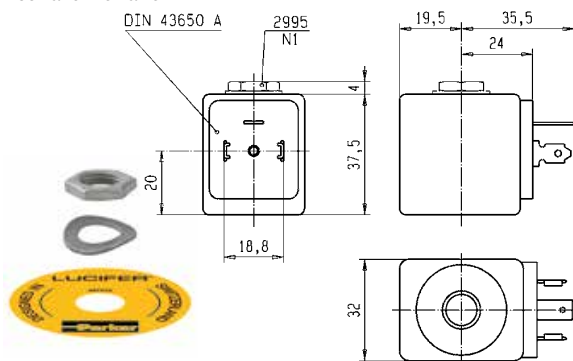


| | | |
|---|---|----------------------------|
| Reference (without plug) (with plug) | 483580.01 483960.01 | |
| Certificate | LCIE 02 ATEX 6065 X - IECEx LCI 07.0025 X | |
| Coil Group | 7.0 | |
| Type of protection | Gas | II 1 G - Ex ia IIC - T6 |
| | Dust | II 1 D - Ex ta IIC - T80°C |
| Degree of protection | IP65 with plug | |
| Ambiant temperature | - 40°C à + 55°C The operating temperature of the valve/coil can be limited by that of the valve. | |
| Class of insulation | F 155°C | |
| Electrical connection | The coil is connected with a 2P + E plug according to EN 175301-803 type A Contact 1 is marked as the positive pole ⊕. | |
| Maximum supply voltage | 28 VDC (N7) - 110 mA The minimum operating voltage at maximum 60°C is 14 VDC. | |
| Power | DC | Minimum |
| | | Maximum |
| | | 500 mW |
| | | 3 W |
| Depending on applied voltage, IS barrier type and resistance of connected cable | | |
| Coil resistance at 20°C | 340 Ω | |
| Impedance | 340 Ω | |
| Apparent inductance | 0 mH | |
| Apparent capacitance | 0 μF | |
| Weight | 160 g (with plug) | |

To Order a Coil choose Coil Ref + Voltage Code, example: 483580.01 for 28 VDC = 483580.01N7

These coils must be used with suitable housings, see example below:

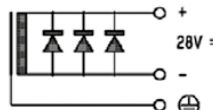
The coil assembly kit Ref. 2995 corresponds to the "housing" of Lucifer® valve numbering system (Valve - housing - coil - voltage). It is composed of a nameplate, a label giving details of the valve type, a round washer and a nut to ensure the fixing between 32 mm coil and the valve.



Important

The intrinsically safe supply circuit should have enough capacity in all environmental conditions to assure a **minimum operating current of 35 mA** through the coil.

The minimal holding current is 20 mA.



For the barrier compatibility see the corresponding table in appendix section.

Spare Parts Mounting Kit and Accessories

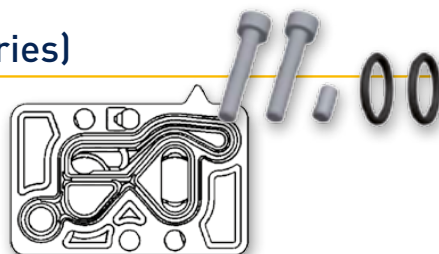
Kit for G1/4" Models without conversion plate (N x 3 Series)



Kit includes the 2 mounting screws M5 x 25 A2, the dowel pin M5 x 10 A2,
the 2 O-rings NBR 15 x 2.5

Order code: 496132

Kit for G1/4" Models with conversion plate (N x 5 Series)



Kit includes the 2 mounting screws
M5 x 35 A2, the dowel pin M5 x 20 A2,
the conversion plate equipped with its seals

Order code: 496742 (equipped plate)

Order code: 496852 (screws + pin)

Kit for G1/2" Models (N x 4 Series)



Kit includes the 2 mounting screws M6 x 35 A2, the dowel pin M6 x 12 A2,
the 2 O-rings NBR 24 x 3

Order code: 496133

Exhaust Flow Regulators



Material Body: Brass
Spring: Stainless Steel

Filter element: Sintered bronze
Seal: NBR

G1/8" **Order code: 496551**

G1/4" **Order code: 496552**

G1/2" **Order code: 496553**

Connector DIN B

Connector DIN43650 AB Pg9 2P+E
Order code: 481043



Housing for 22 mm Coil

Plastic nut with O-ring
Order code: 3125



Connector DIN A

Connector DIN43650 AA Pg9 2P+E
Order code: 486586



WARNING - USER RESPONSIBILITY

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Aerospace

Key Markets

- Aftermarket services
- Commercial transports
- Engines
- General & business aviation
- Helicopters
- Launch vehicles
- Military aircraft
- Missiles
- Power generation
- Regional transports
- Unmanned aerial vehicles

Key Products

- Control systems & actuation products
- Engine systems & components
- Fluid conveyance systems & components
- Fluid metering, delivery & atomization devices
- Fuel systems & components
- Fuel tank inerting systems
- Hydraulic systems & components
- Thermal management
- Wheels & brakes



Climate Control

Key Markets

- Agriculture
- Air conditioning
- Construction Machinery
- Food & beverage
- Industrial machinery
- Life sciences
- Oil & gas
- Precision cooling
- Process
- Refrigeration
- Transportation

Key Products

- Accumulators
- Advanced actuators
- CO₂ controls
- Electronic controllers
- Filter driers
- Hand shut-off valves
- Heat exchangers
- Hose & fittings
- Pressure regulating valves
- Refrigerant distributors
- Safety relief valves
- Smart pumps
- Solenoid valves
- Thermostatic expansion valves



Electromechanical

Key Markets

- Aerospace
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Paper machinery
- Plastics machinery & converting
- Primary metals
- Semiconductor & electronics
- Textile
- Wire & cable

Key Products

- AC/DC drives & systems
- Electric actuators, gantry robots & slides
- Electrohydraulic actuation systems
- Electromechanical actuation systems
- Human machine interface
- Linear motors
- Stepper motors, servo motors, drives & controls
- Structural extrusions



Filtration

Key Markets

- Aerospace
- Food & beverage
- Industrial plant & equipment
- Life sciences
- Marine
- Mobile equipment
- Oil & gas
- Power generation & renewable energy
- Process
- Transportation
- Water Purification

Key Products

- Analytical gas generators
- Compressed air filters & dryers
- Engine air, coolant, fuel & oil filtration systems
- Fluid condition monitoring systems
- Hydraulic & lubrication filters
- Hydrogen, nitrogen & zero air generators
- Instrumentation filters
- Membrane & fiber filters
- Microfiltration
- Sterile air filtration
- Water desalination & purification filters & system



Fluid & Gas Handling

Key Markets

- Aerial lift
- Agriculture
- Bulk chemical handling
- Construction machinery
- Food & beverage
- Fuel & gas delivery
- Industrial machinery
- Life sciences
- Marine
- Mining
- Mobile
- Oil & gas
- Renewable energy
- Transportation

Key Products

- Check valves
- Connectors for low pressure fluid conveyance
- Deep sea umbilicals
- Diagnostic equipment
- Hose couplings
- Industrial hose
- Mooring systems & power cables
- PTFE hose & tubing
- Quick couplings
- Rubber & thermoplastic hose
- Tube fittings & adapters
- Tubing & plastic fittings



Hydraulics

Key Markets

- Aerial lift
- Agriculture
- Alternative energy
- Construction machinery
- Forestry
- Industrial machinery
- Machine tools
- Marine
- Material handling
- Mining
- Oil & gas
- Power generation
- Refuse vehicles
- Renewable energy
- Truck hydraulics
- Turf equipment

Key Products

- Accumulators
- Cartridge valves
- Electrohydraulic actuators
- Human machine interfaces
- Hybrid drives
- Hydraulic cylinders
- Hydraulic motors & pumps
- Hydraulic systems
- Hydraulic valves & controls
- Hydrostatic steering
- Integrated hydraulic circuits
- Power take-offs
- Power units
- Rotary actuators
- Sensors



Pneumatics

Key Markets

- Aerospace
- Conveyor & material handling
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Transportation & automotive

Key Products

- Air preparation
- Brass fittings & valves
- Manifolds
- Pneumatic accessories
- Pneumatic actuators & grippers
- Pneumatic valves & controls
- Quick disconnects
- Rotary actuators
- Rubber & thermoplastic hose & couplings
- Structural extrusions
- Thermoplastic tubing & fittings
- Vacuum generators, cups & sensors



Process Control

Key Markets

- Alternative fuels
- Biopharmaceuticals
- Chemical & refining
- Food & beverage
- Marine & shipbuilding
- Medical & dental
- Microelectronics
- Nuclear Power
- Offshore oil exploration
- Oil & gas
- Pharmaceuticals
- Power generation
- Pulp & paper
- Steel
- Water/wastewater

Key Products

- Analytical Instruments
- Analytical sample conditioning products & systems
- Chemical injection fittings & valves
- Fluoropolymer chemical delivery fittings, valves & pumps
- High purity gas delivery fittings, valves, regulators & digital flow controllers
- Industrial mass flow meters/controllers
- Permanent no-weld tube fittings
- Precision industrial regulators & flow controllers
- Process control double block & bleeds
- Process control fittings, valves, regulators & manifold valves



Sealing & Shielding

Key Markets

- Aerospace
- Chemical processing
- Consumer
- Fluid power
- General industrial
- Information technology
- Life sciences
- Microelectronics
- Military
- Oil & gas
- Power generation
- Renewable energy
- Telecommunications
- Transportation

Key Products

- Dynamic seals
- Elastomeric o-rings
- Electro-medical instrument design & assembly
- EMI shielding
- Extruded & precision-cut, fabricated elastomeric seals
- High temperature metal seals
- Homogeneous & inserted elastomeric shapes
- Medical device fabrication & assembly
- Metal & plastic, retained composite seals
- Shielded optical windows
- Silicone tubing & extrusions
- Thermal management
- Vibration dampening

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Europe, Middle East, Africa

AE - United Arab Emirates, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT - Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT - Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ - Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU - Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG - Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY - Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CH - Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ - Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE - Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK - Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES - Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI - Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR - France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR - Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU - Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE - Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT - Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ - Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL - The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO - Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL - Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT - Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO - Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU - Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE - Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK - Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL - Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR - Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA - Ukraine, Kiev
Tel: +380 44 494 2731
parker.ukraine@parker.com

UK - United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA - South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA - Canada, Milton, Ontario
Tel: +1 905 693 3000

US - USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU - Australia, Castle Hill
Tel: +61 (0)2-9634 7777

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Tel: +662 186 7000-99

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South America

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