

# COMBIPRESS

GRUPPI DI PRESSIONE  
PRESSURE-BOOSTING PLANTS





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**I GRUPPI COMBIPRESS** sono una serie completa di sistemi di sollevamento e pressurizzazione, sviluppati per rispondere a qualsiasi esigenza, mantenendo nel contempo la più ampia attenzione ai requisiti di comfort e soddisfazione per l'utente.

#### PRINCIPIO DI FUNZIONAMENTO

La serie **COMBIPRESS** è costituita da GRUPPI DI PRESSURIZZAZIONE nei quali DUE O PIÙ ELETTROPOMPE sono integrate in una unità di pronta installazione. essi applicano due tipi di funzionamento: con riserva attiva e con riserva totale.

**Con riserva attiva:** in questo caso il gruppo viene dimensionato in modo che ad ogni incremento di richiesta da parte dell'utenza si abbia l'avviamento automatico di una o più delle pompe presenti in batteria. In tal modo si realizza un sicuro risparmio energetico, poiché si fanno entrare in funzione solo le pompe necessarie a soddisfare l'utenza; non è quindi necessario dimensionare l'impianto scegliendo una sola pompa di maggior potenza, capace singolarmente di soddisfare le richieste di picco, ma chiamata a frequenti avviamenti anche a fronte di richieste relativamente modeste. Inoltre, nel caso di fuori servizio di una pompa, si avrà comunque un rifornimento idrico, deficitario solamente rispetto al picco di richiesta.

**Con riserva totale:** in questo caso il gruppo è dimensionato in modo che una pompa riesca a soddisfare sia le normali richieste che le richieste di punta dell'utenza; la seconda pompa costituisce una riserva, pronta a entrare in funzione nel caso di fuori servizio della prima elettropompa, al fine di garantire l'assoluta continuità del servizio.

#### UTILIZZI

- Acqua pulita e liquidi chimicamente non aggressivi.
- Approvvigionamento idrico: sistemi di aumento di pressione per condomini, alberghi, comunità (campeggi, scuole, ospedali, caserme, etc.).
- Industria: impianti idrici per l'industria alimentare e di trasformazione, impianti di trattamento dell'acqua, parchi acquatici e giochi d'acqua.
- Irrigazione: campi da gioco in genere (calcio, golf, etc.), coltivazioni agricole, impianti di innervamento programmato.

#### CARATTERISTICHE COSTRUTTIVE

- **BASAMENTO** realizzato in profilato metallico verniciato a polveri, con verniciatura ad alta resistenza meccanica (antigraffio).
- **ELETTROPOMPE:** si rimanda alle schede dei singoli modelli.  
Da rimarcare la caratteristica di **assoluta silenziosità dei modelli VL**.
- **STRUMENTAZIONE** di comando e controllo installata sul collettore di mandata e composta da due pressostati tarabili dall'utente (la taratura di fabbrica è centrata su un campo di utilizzo medio del gruppo riportata nelle tabelle seguenti).
- **QUADRO ELETTRICO** dotato di interruttore bloccoporta da 40 A lucchettabile secondo normativa vigente, circuito di comando pressostati in bassissima tensione, circuito elettronico di alternanza di funzionamento delle elettropompe (ad ogni avviamento avviene lo scambio della pompa pilota, quindi le pompe funzionano effettivamente ad usura equamente ripartita), protezione termica su ogni motore ripristinabile manualmente, sistema antirimbato sul comando delle elettropompe (per evitare continue false accensioni nel caso di brevi e limitate richieste dall'utenza), ritardo in partenza della seconda elettropompa per evitare bruschi sbalzi di pressione e di assorbimento elettrico nel caso i pressostati richiedano la partenza contemporanea delle pompe.

**COMBIPRESS** is a complete series of systems designed for water supply and pressurization. It has been developed to perform reliably and efficiently in a wide range of applications

#### OPERATING PRINCIPLE

The **COMBIPRESS** series are PRESSURISATION UNITS consisting of two or more pumps with controls, supplied pre-assembled and ready for installation. They are available with a choice of two alternative control system: active standby and total standby.

**Active standby:** In this mode the unit monitors demand and automatically starts one or more of the standby pumps as required to keep up with changes in water use.

This system avoids having large pumps running at times of low demand and therefore offers significant energy savings.

It also retains the advantage of being able to take individual pumps out of service for maintenance without disrupting the entire water service.

**Total standby:** In standby mode the water demand is met by a single pump. The second pump acts as a standby and will only come into operation should the duty pump fail or be required for maintenance.

This systems is designed so as to guarantee continuity of the water service.

#### APPLICATIONS

- Clean Water and chemically non-aggressive fluids.
- Water supply: pressure boosting for domestic, commercial, industrial and municipal buildings and sites.
- Industrial: water systems for hygienic and other industries, water treatment.
- Irrigation: Sportsgrounds, golf courses, agriculture and horticulture.

#### CONSTRUCTION CHARACTERISTICS

- **BASE:** Metal framework with tough scratch resistant powder coating.
- **PUMPS:** Please refer to the specification of the particular pump model. **COMBIPRESS** units using VL type pumps are particularly suited to applications requiring **very low noise levels**.
- **CONTROLS** consist of two user adjustable pressure settings (factory set to the values shown in the following tables).
- **CONTROL PANEL** compliance with the regulations in force in the contry of installation.

# COMBIPRESS

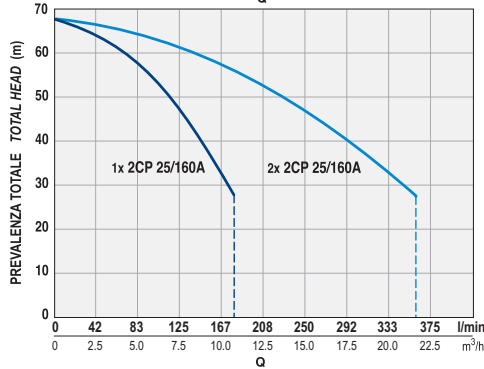
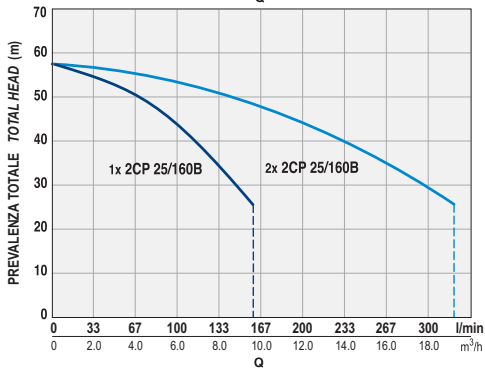
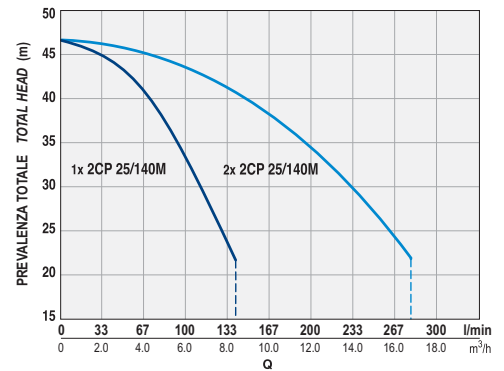
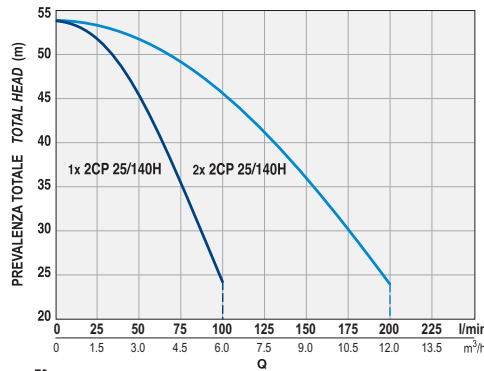
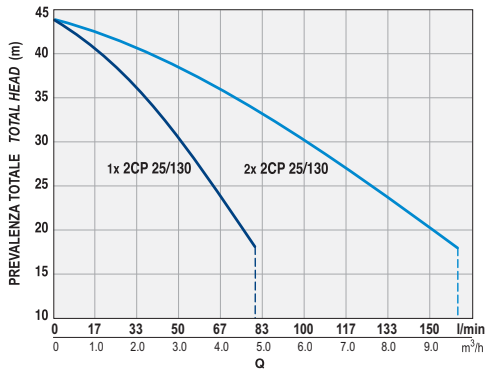
**CB2 - 2CP 25/130**  
**CB2 - 2CP 25/140**  
**CB2 - 2CP 25/160**

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

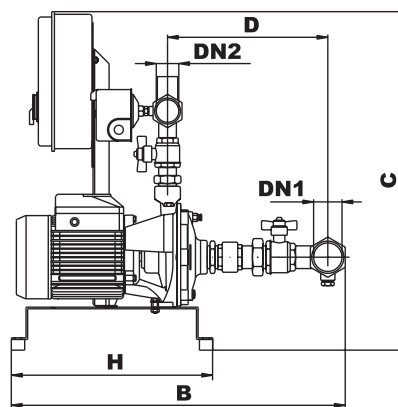
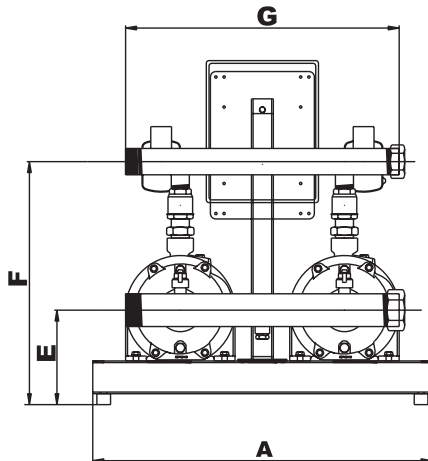
Tolleranza delle curve di prestazione secondo ISO 2548

Curve tolerance according to ISO 2548



| COMBIPRESS         |                   | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Preval. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|--------------------|-------------------|---------------------------------------|-----------|-----------------------------|-------|-------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~                 | 3~                | kW                                    | HP        | m³/h                        | l/min | m                       | bar                               | N°                      | m                            | l       | l      |
| CB2 - 2CPm 25/130  | CB2 - 2CP 25/130  | 0.75 + 0.75                           | 1 + 1     | 9.6                         | 160   | 44                      | 1.5 ÷ 3.0                         | 4 ÷ 10                  | 15 ÷ 20                      |         |        |
| CB2 - 2CPm 25/140H | CB2 - 2CP 25/140H | 1.1 + 1.1                             | 1.5 + 1.5 | 12                          | 200   | 54                      | 3.0 ÷ 4.5                         | 8 ÷ 30                  | 20 ÷ 25                      |         |        |
| CB2 - 2CPm 25/140M | CB2 - 2CP 25/140M | 1.1 + 1.1                             | 1.5 + 1.5 | 16.8                        | 280   | 47                      | 2.5 ÷ 4.0                         | 14 ÷ 35                 | 20 ÷ 25                      |         |        |
| CB2 - 2CPm 25/160B | CB2 - 2CP 25/160B | 1.5 + 1.5                             | 2 + 2     | 19.2                        | 320   | 58                      | 3.0 ÷ 4.5                         | 16 ÷ 40                 | 20 ÷ 25                      |         |        |
| -                  | CB2 - 2CP 25/160A | 2.2 + 2.2                             | 3 + 3     | 21.6                        | 360   | 68                      | 3.5 ÷ 5.0                         | 20 ÷ 50                 | 30 ÷ 35                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



## Dimensioni (mm) e pesi (kg) Dimensions (mm) and weights (kg)

| COMBIPRESS        | DN1    | DN2    | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|-------------------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - 2CP 25/130  | 1 1/2" | 1 1/2" | 520 | 600 | 620 | 300 | 155 | 420 | 500 | 305 | 51.0           |
| CB2 - 2CP 25/140H | 2"     | 1 1/2" | 615 | 595 | 630 | 330 | 170 | 455 | 500 | 370 | 67.5           |
| CB2 - 2CP 25/140M | 2"     | 1 1/2" | 615 | 596 | 630 | 350 | 170 | 445 | 500 | 370 | 67.5           |
| CB2 - 2CP 25/160B | 2"     | 1 1/2" | 615 | 670 | 630 | 340 | 190 | 495 | 500 | 370 | 77.5           |
| CB2 - 2CP 25/160A | 2"     | 1 1/2" | 615 | 625 | 630 | 385 | 130 | 490 | 500 | 370 | 80.0           |

# COMBIPRESS

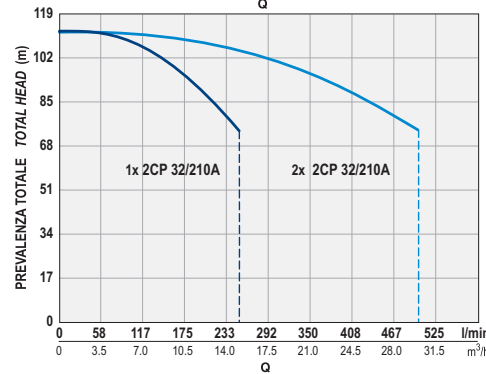
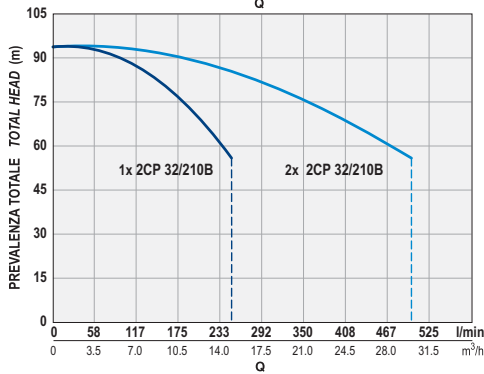
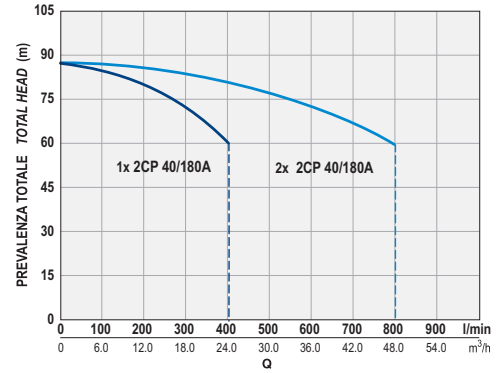
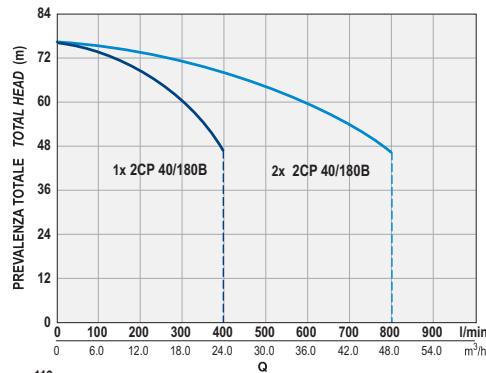
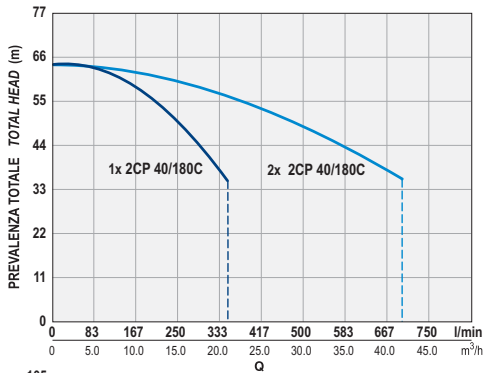
**CB2 - 2CP 40/180**  
**CB2 - 2CP 32/210**

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

Tolleranza delle curve di prestazione secondo ISO 2548

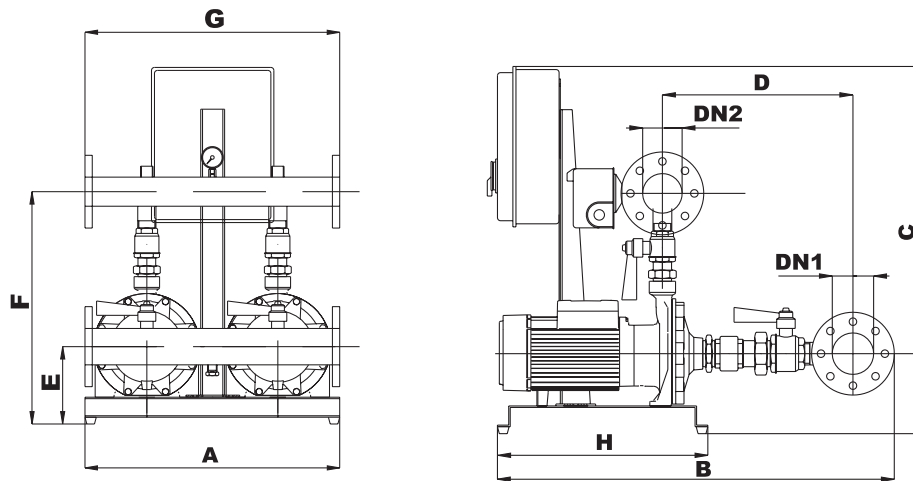
Curve tolerance according to ISO 2548



**PEDROLLO**  
... the spring of life

|    |                          | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Preval. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----|--------------------------|---------------------------------------|-----------|-----------------------------|-------|-------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~ | 3~                       | kW                                    | HP        | m³/h                        | l/min | m                       | bar                               | N°                      | m                            | l       | l      |
| -  | <b>CB2 - 2CP 40/180C</b> | 4.0 + 4.0                             | 5.5 + 5.5 | 42                          | 700   | 64                      | 4.0 ÷ 5.5                         | 40 ÷ 110                | 30 ÷ 35                      |         |        |
| -  | <b>CB2 - 2CP 40/180B</b> | 5.5 + 5.5                             | 7.5 + 7.5 | 48                          | 800   | 76                      | 4.5 ÷ 6.0                         | 50 ÷ 120                | 30 ÷ 35                      |         |        |
| -  | <b>CB2 - 2CP 40/180A</b> | 7.5 + 7.5                             | 10 + 10   | 48                          | 800   | 88                      | 5.5 ÷ 7.0                         | 50 ÷ 120                | 40 ÷ 50                      |         |        |
| -  | <b>CB2 - 2CP 32/210B</b> | 5.5 + 5.5                             | 7.5 + 7.5 | 30                          | 500   | 94                      | 6.5 ÷ 8.0                         | 35 ÷ 80                 | 40 ÷ 50                      |         |        |
| -  | <b>CB2 - 2CP 32/210A</b> | 7.5 + 7.5                             | 10 + 10   | 30                          | 500   | 112                     | 8.5 ÷ 10.0                        | 35 ÷ 80                 | 40 ÷ 50                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni (mm) e pesi (kg) Dimensions (mm) and weights (kg)**

| COMBIPRESS               | DN1 | DN2 | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| <b>CB2 - 2CP 40/180C</b> | 4"  | 3"  | 700 | 980 | 780 | 420 | 210 | 610 | 700 | 565 | 175            |
| <b>CB2 - 2CP 40/180B</b> | 4"  | 3"  | 700 | 980 | 780 | 420 | 210 | 610 | 700 | 565 | 185            |
| <b>CB2 - 2CP 40/180A</b> | 4"  | 3"  | 700 | 980 | 780 | 420 | 210 | 610 | 700 | 565 | 195            |
| <b>CB2 - 2CP 32/210B</b> | 3"  | 2"  | 700 | 920 | 895 | 430 | 200 | 590 | 700 | 565 | 156            |
| <b>CB2 - 2CP 32/210A</b> | 3"  | 2"  | 700 | 920 | 895 | 430 | 200 | 590 | 700 | 565 | 163            |

# COMBIPRESS

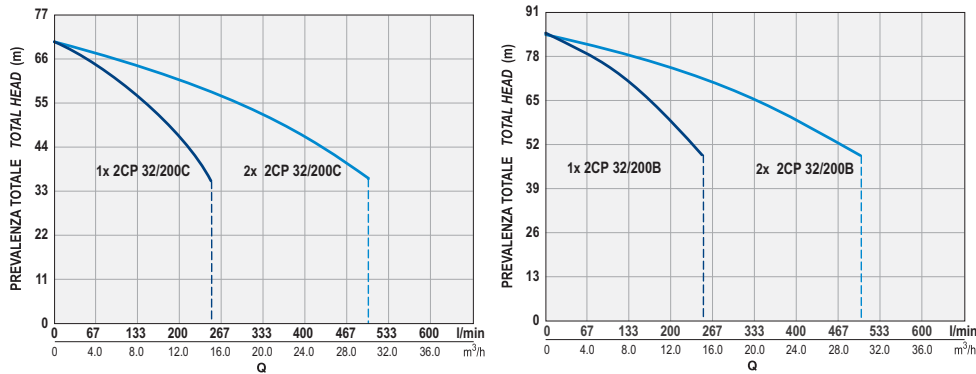
**CB2 - 2CP 32/200C**  
**CB2 - 2CP 32/200B**

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

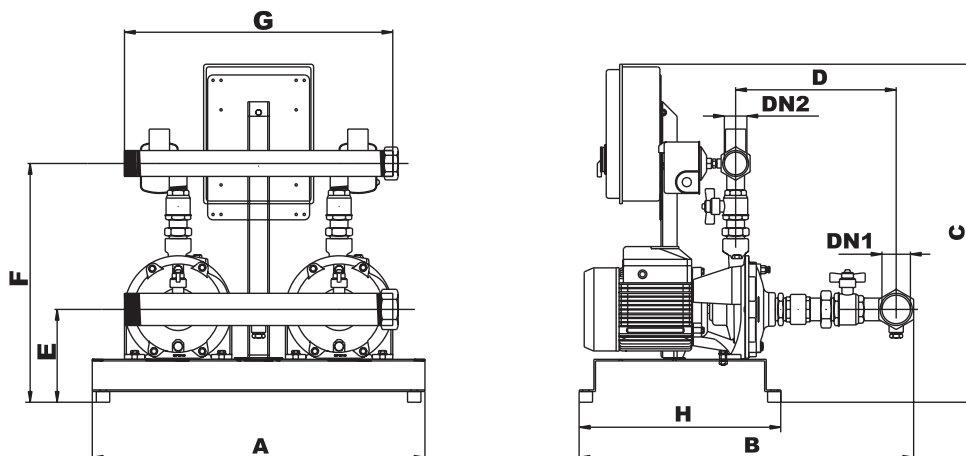
Tolleranza delle curve di prestazione secondo ISO 2548

Curve tolerance according to ISO 2548



|    |                          | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Prevale. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----|--------------------------|---------------------------------------|-----------|-----------------------------|-------|--------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~ | 3~                       | kW                                    | HP        | m³/h                        | l/min | m                        | bar                               | N°                      | m                            | l       | l      |
| -  | <b>CB2 - 2CP 32/200C</b> | 3 + 3                                 | 4 + 4     | 30                          | 500   | 70                       | 4.0 ÷ 5.5                         | 24 ÷ 60                 | 30 ÷ 35                      |         |        |
| -  | <b>CB2 - 2CP 32/200B</b> | 4 + 4                                 | 5.5 + 5.5 | 30                          | 500   | 85                       | 5.5 ÷ 7.0                         | 30 ÷ 80                 | 40 ÷ 50                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni (mm) e pesi (kg) Dimensions (mm) and weights (kg)**

| COMBIPRESS               | DN1 | DN2 | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| <b>CB2 - 2CP 32/200C</b> | 3"  | 2"  | 700 | 910 | 780 | 400 | 200 | 600 | 700 | 565 | 119            |
| <b>CB2 - 2CP 32/200B</b> | 3"  | 2"  | 700 | 910 | 780 | 400 | 200 | 600 | 700 | 565 | 125            |

# COMBIPRESS

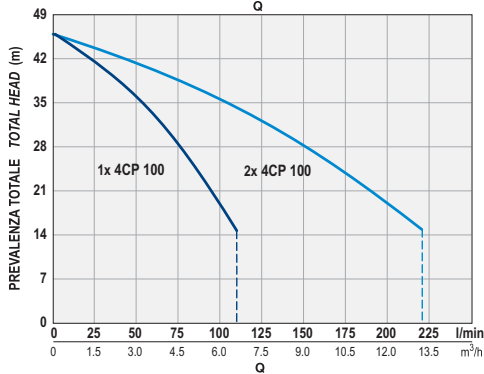
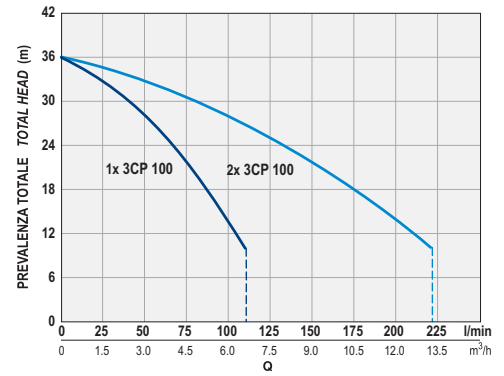
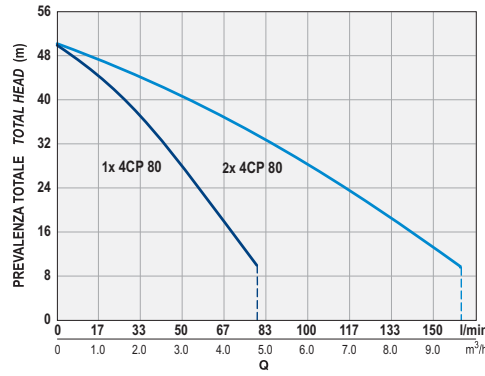
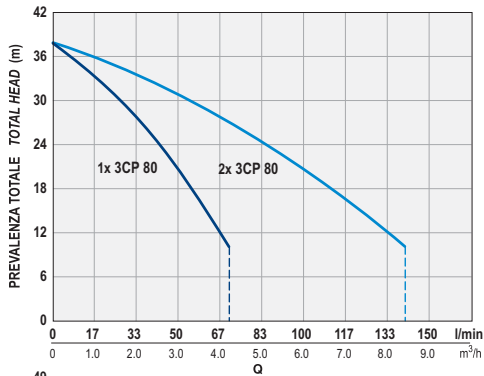
Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

Tolleranza delle curve di prestazione secondo ISO 2548

Curve tolerance according to ISO 2548

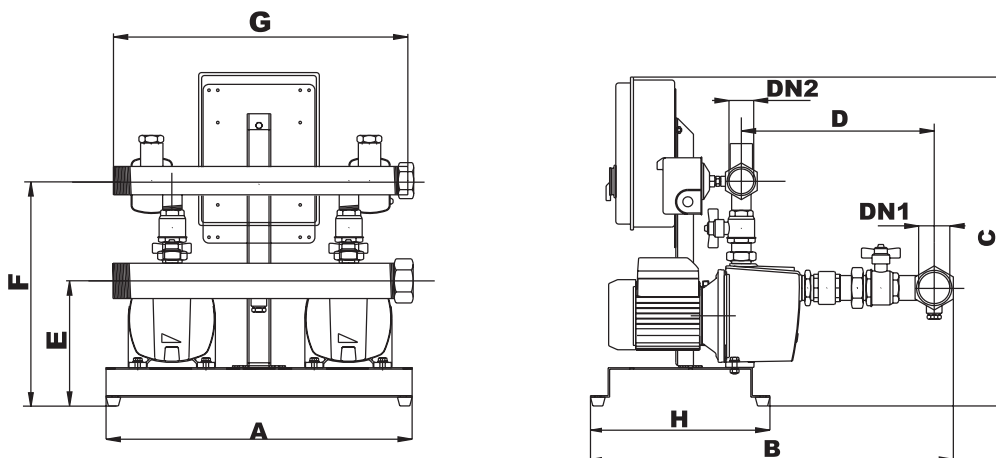
**CB2 - 3CP 80**  
**CB2 - 4CP 80**  
**CB2 - 3CP 100**  
**CB2 - 4CP 100**



**PEDROLLO**  
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|               |    | Potenza installata<br>Installed power |             | Portata Max<br>Max capacity |       | Prevale. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|---------------|----|---------------------------------------|-------------|-----------------------------|-------|--------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~            | 3~ | kW                                    | HP          | m³/h                        | l/min | m                        | bar                               | N°                      | m                            | l       | l      |
| CB2 - 3CPm 80 | -  | 0.45 + 0.45                           | 0.60 + 0.60 | 8.4                         | 140   | 38                       | 1.5 ÷ 3.0                         | 2 ÷ 4                   | 15 ÷ 20                      |         |        |
| CB2 - 4CPm 80 | -  | 0.60 + 0.60                           | 0.85 + 0.85 | 9.6                         | 160   | 50                       | 2.5 ÷ 4.0                         | 4 ÷ 6                   | 20 ÷ 25                      |         |        |
| CB2 - 3CPm100 | -  | 0.60 + 0.60                           | 0.85 + 0.85 | 13.2                        | 220   | 36                       | 1.5 ÷ 3.0                         | 6 ÷ 8                   | 15 ÷ 20                      |         |        |
| CB2 - 4CPm100 | -  | 0.75 + 0.75                           | 1 + 1       | 13.2                        | 220   | 46                       | 2.5 ÷ 4.0                         | 6 ÷ 8                   | 20 ÷ 25                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni(mm) e pesi (kg) Dimensions (mm) and weights (kg)**

| COMBIPRESS    | DN1    | DN2    | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|---------------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - 3CPm 80 | 1 1/2" | 1 1/2" | 520 | 600 | 620 | 300 | 155 | 420 | 500 | 305 | 51.0           |
| CB2 - 4CPm 80 | 1 1/2" | 1 1/2" | 520 | 595 | 630 | 330 | 170 | 455 | 500 | 305 | 67.5           |
| CB2 - 3CPm100 | 1 1/2" | 1 1/2" | 520 | 596 | 630 | 350 | 170 | 445 | 500 | 305 | 67.5           |
| CB2 - 4CPm100 | 1 1/2" | 1 1/2" | 520 | 670 | 630 | 340 | 190 | 495 | 500 | 305 | 77.5           |



# COMBIPRESS

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

Tolleranza delle curve di prestazione secondo ISO 2548

Curve tolerance according to ISO 2548

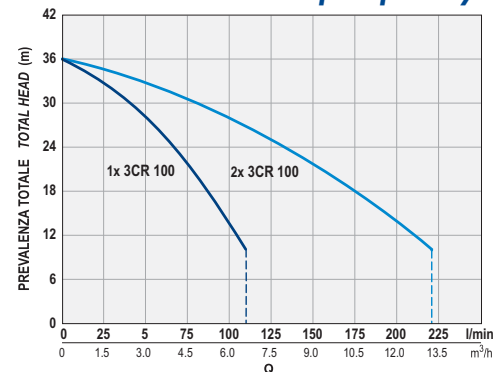
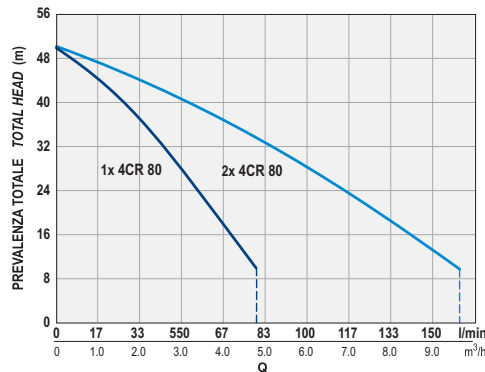
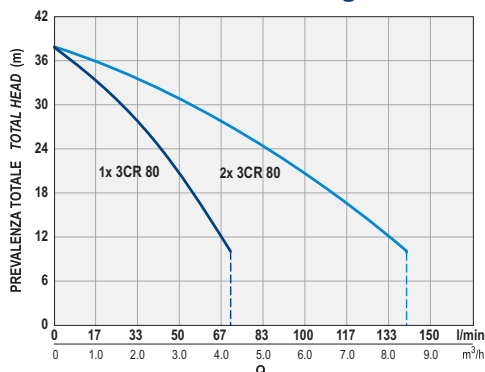
**CB2 - 3CR 80**

**CB2 - 4CR 80**

**CB2 - 3CR 100**

Corpo pompa in acciaio inox

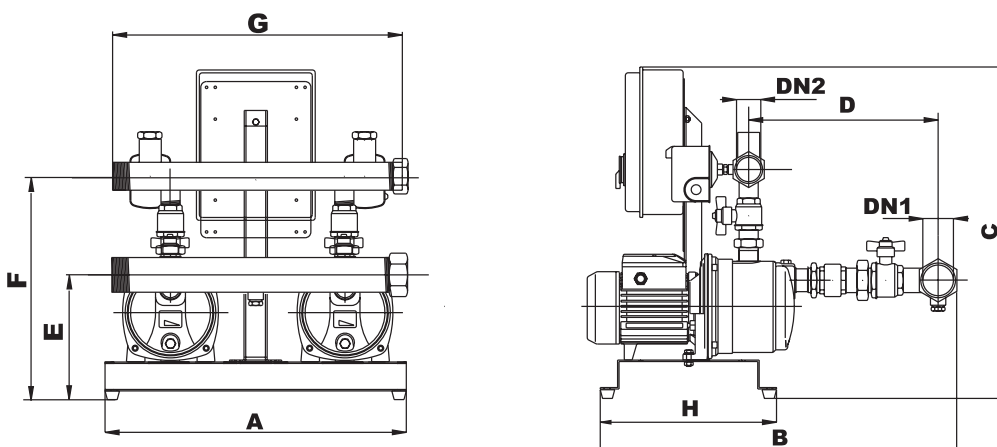
Stainless steel pump body



 **PEDROLLO**<sup>®</sup>  
... the spring of life

|                       |    | Potenza installata<br>Installed power |            | Portata Max<br>Max capacity |       | Prevale. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|-----------------------|----|---------------------------------------|------------|-----------------------------|-------|--------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~                    | 3~ | kW                                    | HP         | m³/h                        | l/min | m                        | bar                               | N°                      | m                            | l       | l      |
| <b>CB2 - 3CRm 80n</b> | -  | 0.45 +0.45                            | 0.60 +0.60 | 8.4                         | 140   | 38                       | 1.5 ÷ 3                           | 2 ÷ 4                   | 15 ÷ 20                      |         |        |
| <b>CB2 - 4CRm 80n</b> | -  | 0.60 +0.60                            | 0.85 +0.85 | 9.6                         | 160   | 50                       | 2.5 ÷ 4                           | 4 ÷ 6                   | 20 ÷ 25                      |         |        |
| <b>CB2 - 3CRm100</b>  | -  | 0.60 +0.60                            | 0.85 +0.85 | 13.2                        | 220   | 36                       | 1.5 ÷ 3                           | 6 ÷ 8                   | 20 ÷ 25                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni (mm) e pesi (kg)    Dimensions (mm) and weights (kg)**

| COMBIPRESS            | DN1    | DN2    | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|-----------------------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| <b>CB2 - 3CRm 80n</b> | 1 1/2" | 1 1/2" | 520 | 600 | 620 | 300 | 155 | 420 | 500 | 305 | 51.0           |
| <b>CB2 - 4CRm 80n</b> | 1 1/2" | 1 1/2" | 520 | 595 | 630 | 330 | 170 | 455 | 500 | 305 | 67.5           |
| <b>CB2 - 3CRm100</b>  | 1 1/2" | 1 1/2" | 520 | 596 | 630 | 350 | 170 | 445 | 500 | 305 | 67.5           |

# COMBIPRESS

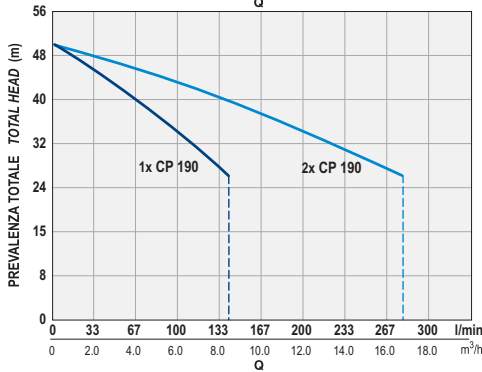
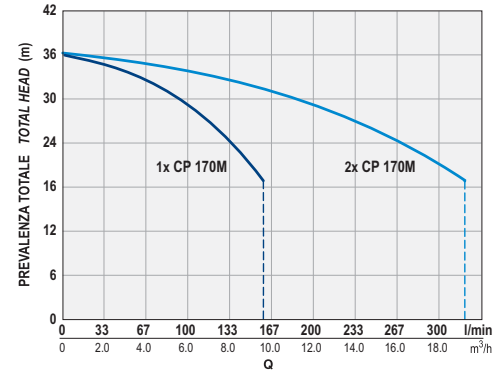
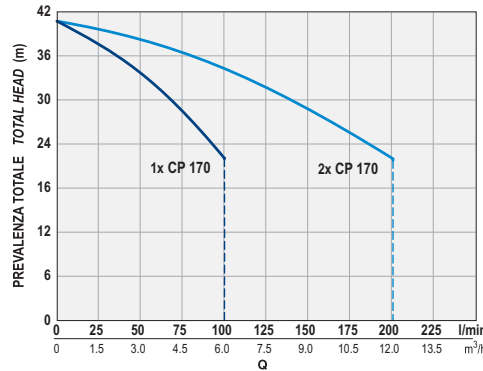
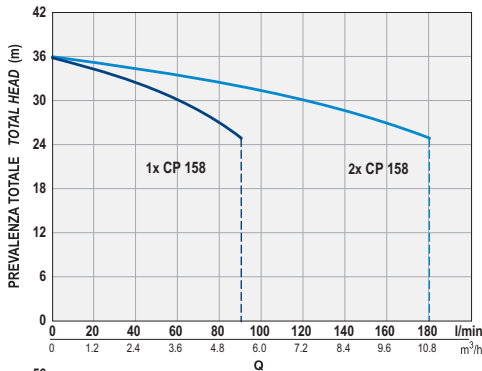
Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

Tolleranza delle curve di prestazione secondo ISO 2548

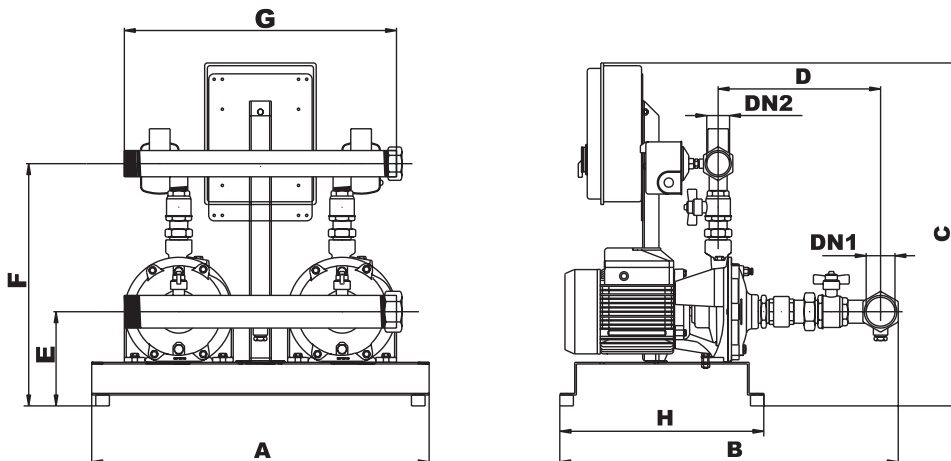
Curve tolerance according to ISO 2548

**CB2 - CP 158**  
**CB2 - CP 170**  
**CB2 - CP 170M**  
**CB2 - CP 190**



|                |               | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Prevale. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----------------|---------------|---------------------------------------|-----------|-----------------------------|-------|--------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~             | 3~            | kW                                    | HP        | m³/h                        | l/min | m                        | bar                               | N°                      | m                            | l       | l      |
| CB2 - CPm 158  | CB2 - CP 158  | 0.75 +0.75                            | 1 + 1     | 10.8                        | 180   | 36                       | 1.5 ÷ 3                           | 2 ÷ 4                   | 15 ÷ 20                      |         |        |
| CB2 - CPm 170  | CB2 - CP 170  | 1.1 +1.1                              | 1.5 + 1.5 | 12                          | 200   | 41                       | 1.5 ÷ 3                           | 4 ÷ 6                   | 15 ÷ 20                      |         |        |
| CB2 - CPm 170M | CB2 - CP 170M | 1.1 +1.1                              | 1.5 + 1.5 | 19.2                        | 320   | 36                       | 1.5 ÷ 3                           | 6 ÷ 8                   | 15 ÷ 20                      |         |        |
| CB2 - CPm 190  | CB2 - CP 190  | 1.5 +1.5                              | 2 + 2     | 16.8                        | 280   | 50                       | 2.5 ÷ 4                           | 4 ÷ 6                   | 20 ÷ 25                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



## Dimensioni(mm) e pesi (kg) Dimensions (mm) and weights (kg)

| COMBIPRESS    | DN1    | DN2    | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|---------------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - CP 158  | 1 1/2" | 1 1/2" | 520 | 560 | 620 | 255 | 160 | 450 | 500 | 305 | 45             |
| CB2 - CP 170  | 2"     | 1 1/2" | 615 | 625 | 630 | 280 | 190 | 480 | 500 | 370 | 65             |
| CB2 - CP 170M | 2"     | 1 1/2" | 615 | 625 | 630 | 280 | 190 | 480 | 500 | 370 | 65             |
| CB2 - CP 190  | 2"     | 1 1/2" | 615 | 625 | 630 | 300 | 190 | 520 | 500 | 370 | 77             |

# COMBIPRESS

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

Tolleranza delle curve di prestazione secondo ISO 2548

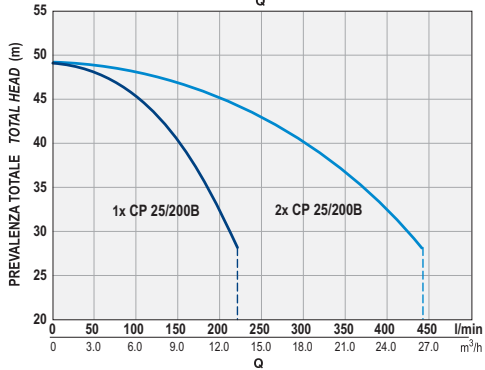
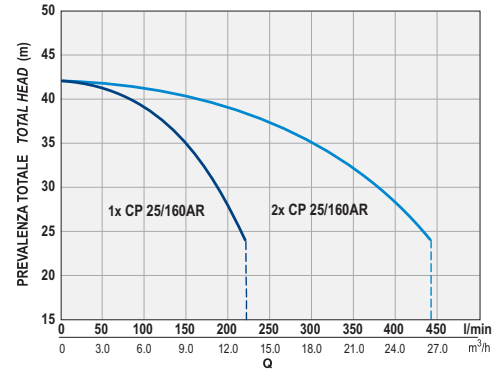
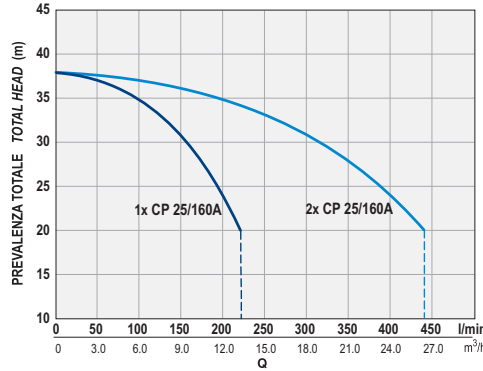
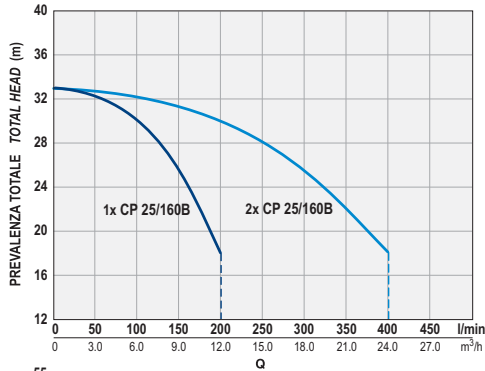
Curve tolerance according to ISO 2548

**CB2- CP 25/160B**

**CB2- CP 25/160A**

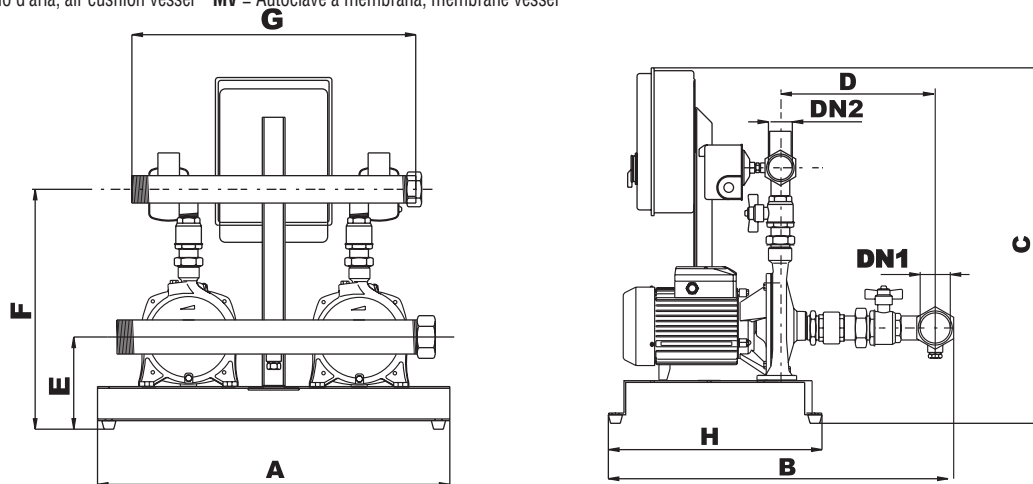
**CB2- CP 25/160AR**

**CB2- CP 25/200B**



|                   |                   | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Preval. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|-------------------|-------------------|---------------------------------------|-----------|-----------------------------|-------|-------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~                | 3~                | kW                                    | HP        | m³/h                        | l/min | m                       | bar                               | N°                      | m                            | l       | l      |
| CB2 - CPm 25/160B | CB2 - CP 25/160B  | 1.1 + 1.1                             | 1.5 + 1.5 |                             |       |                         |                                   |                         |                              |         |        |
| CB2 - CPm 25/160A | CB2 - CP 25/160A  | 1.5 + 1.5                             | 2 + 2     |                             |       |                         |                                   |                         |                              |         |        |
| -                 | CB2 - CP 25/160AR | 2.2 + 2.2                             | 3 + 3     |                             |       |                         |                                   |                         |                              |         |        |
| CB2 - CPm 25/200B | CB2 - CP 25/200B  | 2.2 + 2.2                             | 3 + 3     |                             |       |                         |                                   |                         |                              |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni (mm) e pesi (kg)    Dimensions (mm) and weights (kg)**

| COMBIPRESS        | DN1    | DN2 | A | B | C | D | E | F | G | H | Peso<br>Weight |
|-------------------|--------|-----|---|---|---|---|---|---|---|---|----------------|
| CB2 - CP 25/160B  | 1 1/2" | 1   |   |   |   |   |   |   |   |   |                |
| CB2 - CP 25/160A  | 1 1/2" | 1   |   |   |   |   |   |   |   |   |                |
| CB2 - CP 25/160AR | 1 1/2" | 1   |   |   |   |   |   |   |   |   |                |
| CB2 - CP 25/200B  | 1 1/2" | 1   |   |   |   |   |   |   |   |   |                |

# COMBIPRESS

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

Tolleranza delle curve di prestazione secondo ISO 2548

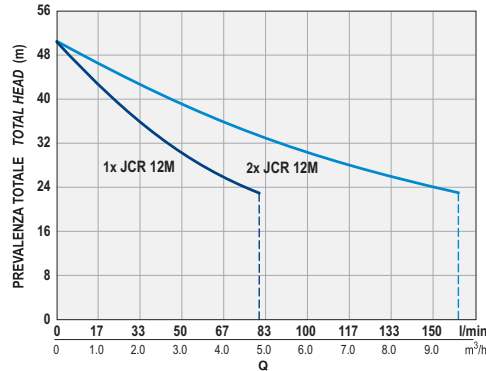
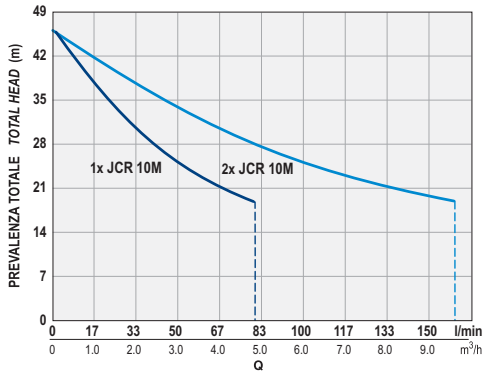
Curve tolerance according to ISO 2548

**CB2 - JCR 10M**

**CB2 - JCR 12M**

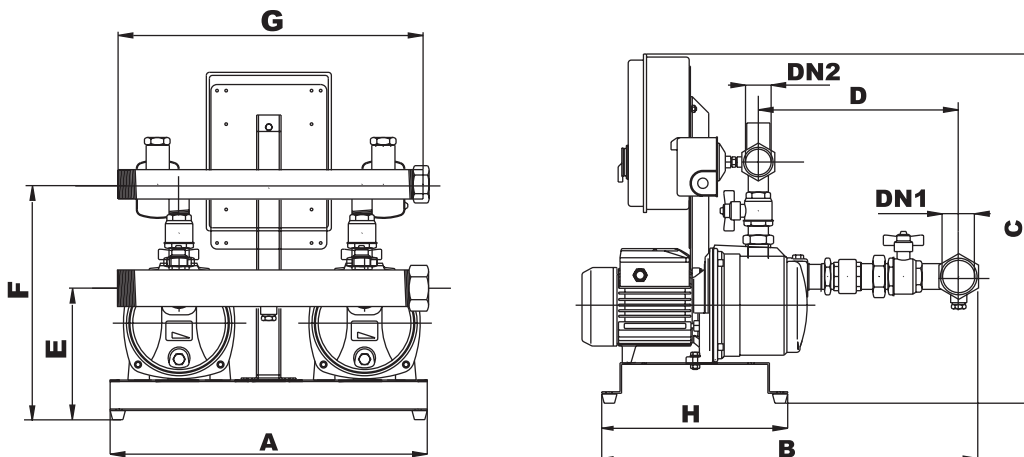
Corpo pompa in acciaio inox

Stainless steel pump body



|                |               | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Preval. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----------------|---------------|---------------------------------------|-----------|-----------------------------|-------|-------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~             | 3~            | kW                                    | HP        | m³/h                        | l/min | m                       | bar                               | N°                      | m                            | l       | l      |
| CB2 - JCRm 10M | CB2 - JCR 10M | 0.75+0.75                             | 1+1       | 9.6                         | 160   | 46                      | 1.5 ÷ 3                           | 2 ÷ 4                   | 15 ÷ 20                      |         |        |
| CB2 - JCRm 12M | CB2 - JCR 12M | 0.90+0.90                             | 1.25+1.25 | 9.6                         | 160   | 50                      | 2 ÷ 3.5                           | 2 ÷ 4                   | 20 ÷ 25                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni(mm) e pesi (kg)    Dimensions (mm) and weights (kg)**

| COMBIPRESS    | DN1    | DN2    | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|---------------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - JCR 10M | 1 1/2" | 1 1/2" | 520 | 700 | 620 | 350 | 210 | 420 | 500 | 305 | 41             |
| CB2 - JCR 12M | 1 1/2" | 1 1/2" | 520 | 700 | 620 | 350 | 210 | 420 | 500 | 305 | 41             |

# COMBIPRESS

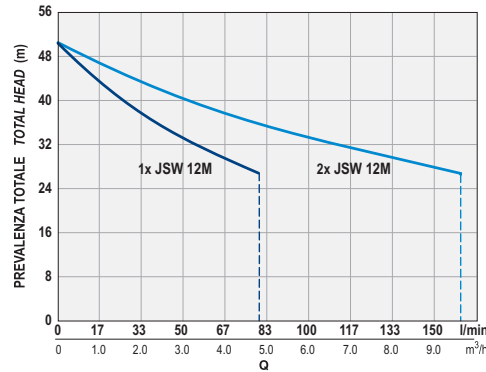
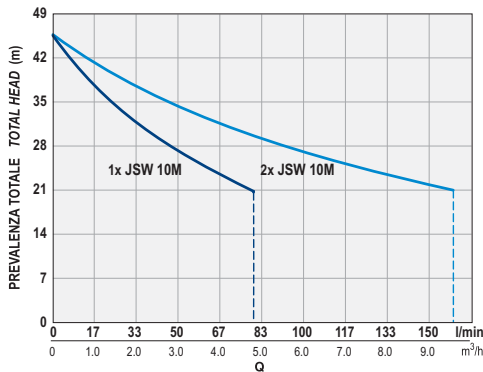
**CB2 - JSW 10M**  
**CB2 - JSW 12M**

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

Tolleranza delle curve di prestazione secondo ISO 2548

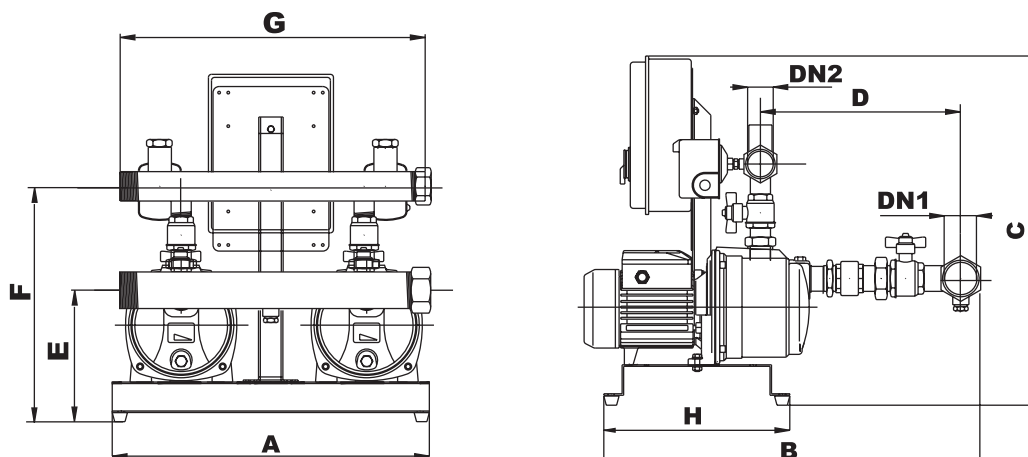
Curve tolerance according to ISO 2548



 **PEDROLLO**<sup>®</sup>  
... the spring of life

|                |               | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Preval. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----------------|---------------|---------------------------------------|-----------|-----------------------------|-------|-------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~             | 3~            | kW                                    | HP        | m³/h                        | l/min | m                       | bar                               | N°                      | m                            | l       | l      |
| CB2 - JSWm 10M | CB2 - JSW 10M | 0.75+0.75                             | 1+1       | 9.6                         | 160   | 46                      | 1.5 ÷ 3                           | 2 ÷ 4                   | 15 ÷ 20                      |         |        |
| CB2 - JSWm 12M | CB2 - JSW 12M | 0.90+0.90                             | 1.25+1.25 | 9.6                         | 160   | 50                      | 2 ÷ 3.5                           | 2 ÷ 4                   | 20 ÷ 25                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni(mm) e pesi (kg) Dimensions (mm) and weights (kg)**

| COMBIPRESS    | DN1    | DN2    | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|---------------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - JSW 10M | 1 1/2" | 1 1/2" | 520 | 630 | 620 | 340 | 220 | 400 | 500 | 305 | 48             |
| CB2 - JSW 12M | 1 1/2" | 1 1/2" | 520 | 630 | 620 | 340 | 220 | 400 | 500 | 305 | 48             |

# COMBIPRESS

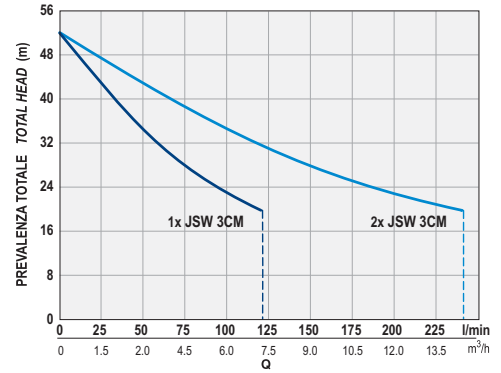
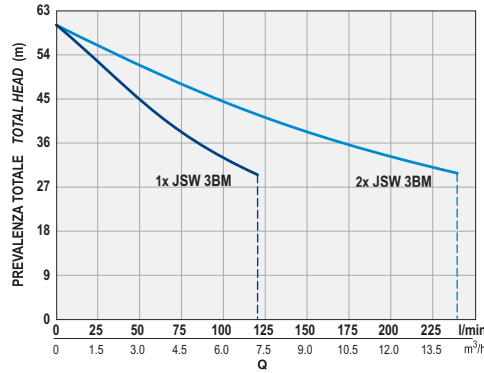
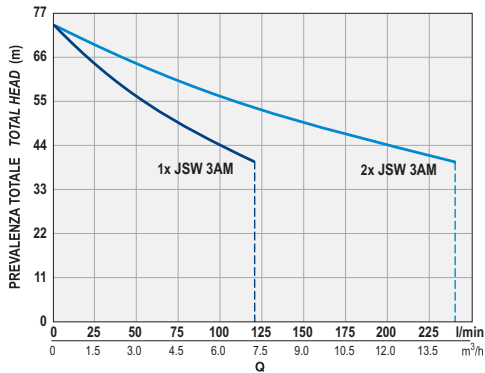
**CB2 - JSW 3AM**  
**CB2 - JSW 3BM**  
**CB2 - JSW 3CM**

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

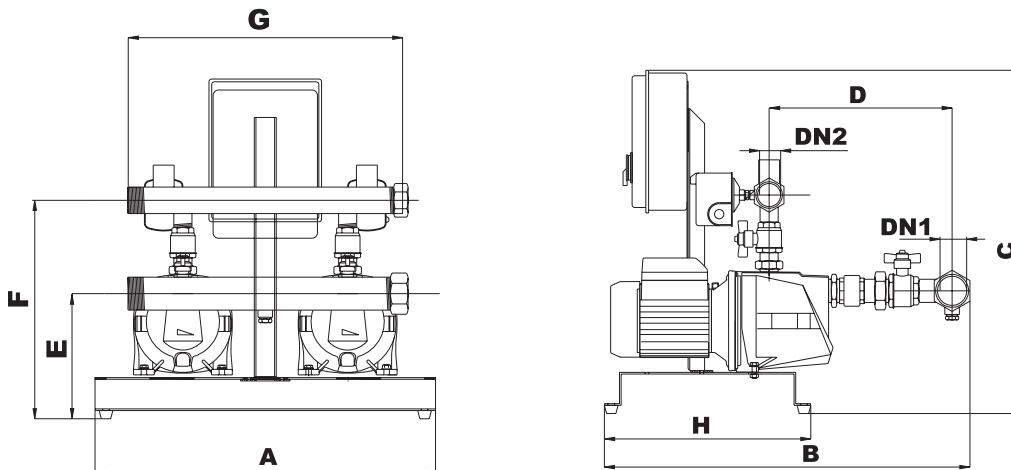
Tolleranza delle curve di prestazione secondo ISO 2548

Curve tolerance according to ISO 2548



|                |               | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Prevale. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----------------|---------------|---------------------------------------|-----------|-----------------------------|-------|--------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~             | 3~            | kW                                    | HP        | m³/h                        | l/min | m                        | bar                               | N°                      | m                            | l       | l      |
| CB2 - JSWm 3CM | CB2 - JSW 3CM | 1.1 + 1.1                             | 1.5 + 1.5 | 14.4                        | 240   | 52                       | 2.5 + 4.0                         | 8 + 15                  | 20 + 25                      |         |        |
| CB2 - JSWm 3BM | CB2 - JSW 3BM | 1.5 + 1.5                             | 2 + 2     | 14.4                        | 240   | 60                       | 3.0 + 4.5                         | 10 + 15                 | 20 + 25                      |         |        |
| CB2 - JSWm 3AM | CB2 - JSW 3AM | 2.2 + 2.2                             | 3 + 3     | 14.4                        | 240   | 74                       | 3.5 + 5.0                         | 12 + 18                 | 30 + 35                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



Dimensioni(mm) e pesi (kg) Dimensions (mm) and weights (kg)

| COMBIPRESS    | DN1 | DN2    | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|---------------|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - JSW 3AM | 2"  | 1 1/2" | 520 | 710 | 620 | 400 | 230 | 425 | 500 | 305 | 78.5           |
| CB2 - JSW 3BM | 2"  | 1 1/2" | 520 | 710 | 620 | 400 | 230 | 425 | 500 | 305 | 78.5           |
| CB2 - JSW 3CM | 2"  | 1 1/2" | 520 | 710 | 620 | 400 | 230 | 425 | 500 | 305 | 78.5           |

# COMBIPRESS

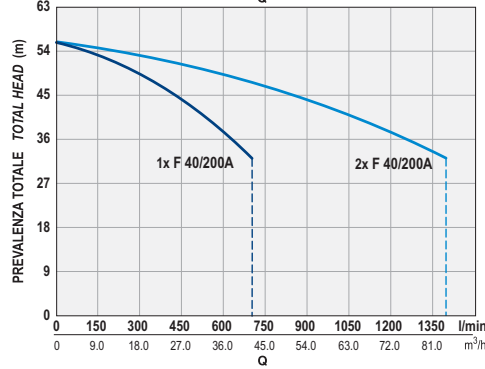
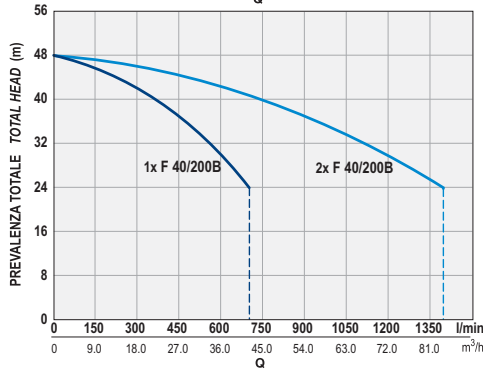
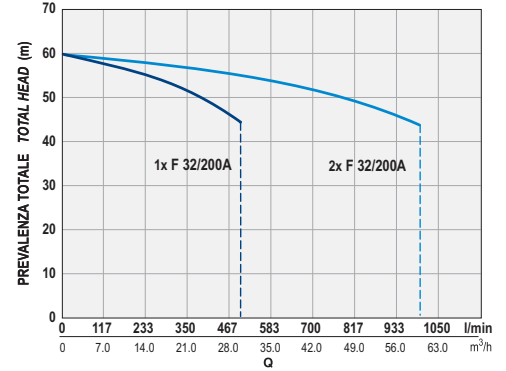
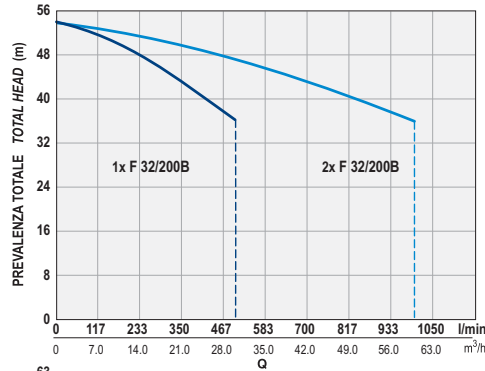
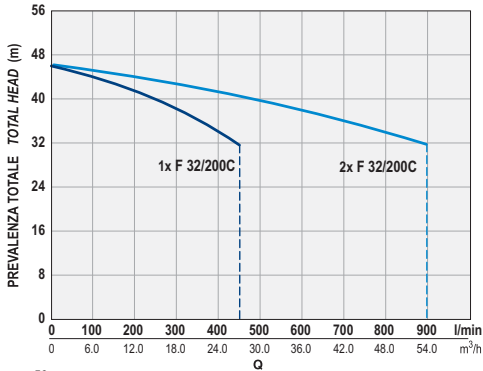
**CB2 - F 32/200**  
**CB2 - F 40/200**

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

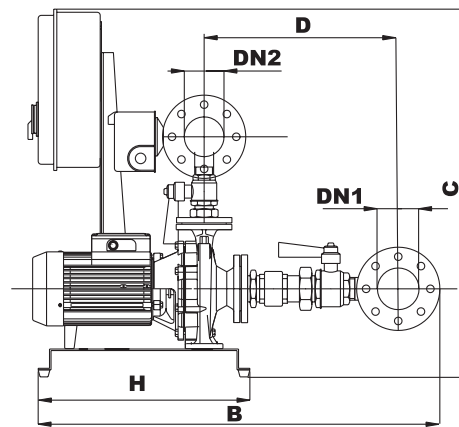
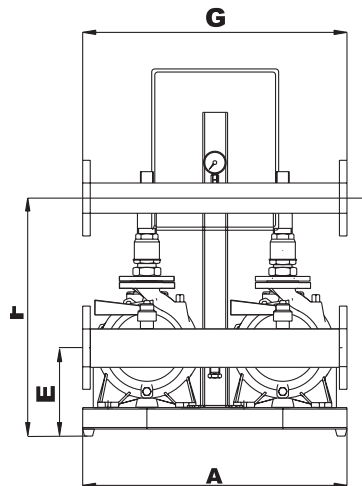
Tolleranza delle curve di prestazione secondo ISO 2548

Curve tolerance according to ISO 2548



|    |                 | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Preval. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----|-----------------|---------------------------------------|-----------|-----------------------------|-------|-------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~ | 3~              | kW                                    | HP        | m³/h                        | l/min | m                       | bar                               | N°                      | m                            | l       | l      |
| -  | CB2 - F 32/200C | 4 + 4                                 | 5.5 + 5.5 | 54                          | 900   | 46                      | 2.5 ÷ 4.0                         | 50 ÷ 120                | 20 ÷ 25                      |         |        |
| -  | CB2 - F 32/200B | 5.5 + 5.5                             | 7.5 + 7.5 | 60                          | 1000  | 54                      | 3.0 ÷ 4.5                         | 50 ÷ 120                | 20 ÷ 25                      |         |        |
| -  | CB2 - F 32/200A | 7.5 + 7.5                             | 10 + 10   | 60                          | 1000  | 60                      | 4.0 ÷ 5.5                         | 50 ÷ 120                | 30 ÷ 35                      |         |        |
| -  | CB2 - F 40/200B | 5.5 + 5.5                             | 7.5 + 7.5 | 84                          | 1400  | 48                      | 2.5 ÷ 4.0                         | 50 ÷ 120                | 20 ÷ 25                      |         |        |
| -  | CB2 - F 40/200A | 7.5 + 7.5                             | 10 + 10   | 84                          | 1400  | 56                      | 3.0 ÷ 4.5                         | 50 ÷ 120                | 20 ÷ 25                      |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



**Dimensioni(mm) e pesi (kg)    Dimensions (mm) and weights (kg)**

| COMBIPRESS      | DN1 | DN2 | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - F 32/200C | 4"  | 3"  | 700 | 910 | 780 | 440 | 230 | 660 | 700 | 565 | 161            |
| CB2 - F 32/200B | 4"  | 3"  | 700 | 910 | 780 | 440 | 230 | 660 | 700 | 565 | 173            |
| CB2 - F 32/200A | 4"  | 3"  | 700 | 910 | 895 | 440 | 230 | 660 | 700 | 565 | 181            |
| CB2 - F 40/200B | 4"  | 3"  | 700 | 920 | 780 | 440 | 230 | 660 | 700 | 565 | 182            |
| CB2 - F 40/200A | 4"  | 3"  | 700 | 920 | 895 | 440 | 230 | 600 | 700 | 565 | 189            |

# COMBIPRESS

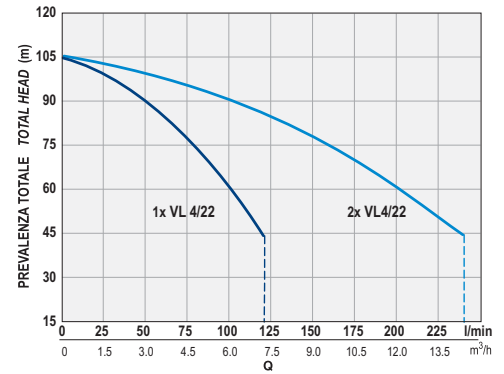
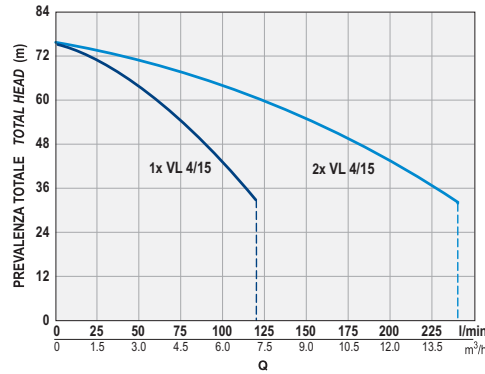
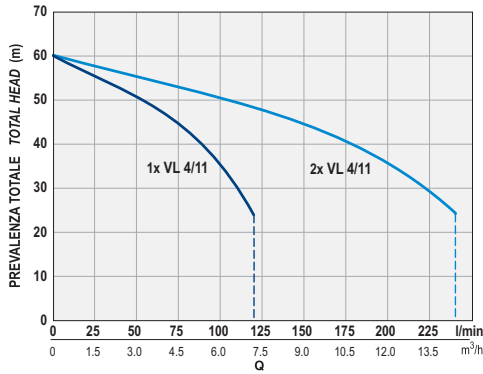
**CB2 - VL 4/11**  
**CB2 - VL 4/15**  
**CB2 - VL 4/22**

Curve di prestazione a n = 2900 1/min

Performance chart at n = 2900 1/min

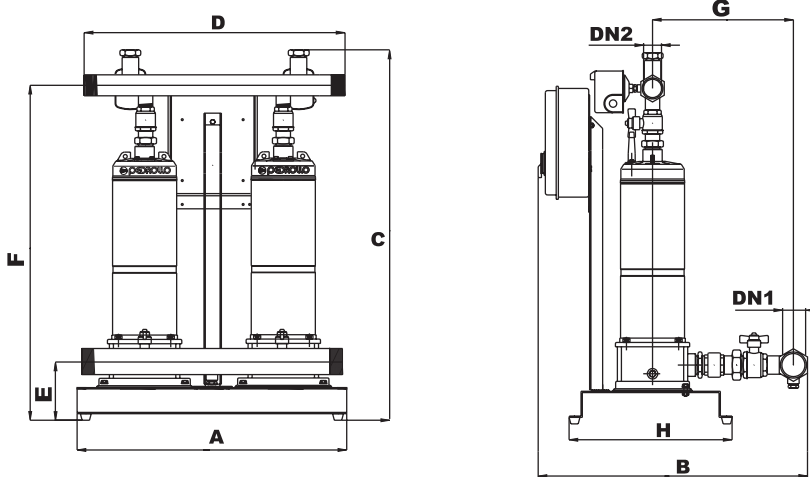
Tolleranza delle curve di prestazione secondo ISO 2548

Curve tolerance according to ISO 2548



|                |               | Potenza installata<br>Installed power |           | Portata Max<br>Max capacity |       | Prevale. Max<br>Max head | Taratura press.<br>Press. calibr. | N° appart.<br>apart. N° | H. edificio<br>Height build. | ACV (*) | MV (*) |
|----------------|---------------|---------------------------------------|-----------|-----------------------------|-------|--------------------------|-----------------------------------|-------------------------|------------------------------|---------|--------|
| 1~             | 3~            | kW                                    | HP        | m³/h                        | l/min | m                        | bar                               | N°                      | m                            | l       | l      |
| CB2 - VLm 4/11 | CB2 - VL 4/11 | 1.1 + 1.1                             | 1.5 + 1.5 | 14.4                        | 240   | 60                       | 3 ÷ 4.5                           | 10 ÷ 15                 | 20 ÷ 25                      |         |        |
| CB2 - VLm 4/15 | CB2 - VL 4/15 | 1.5 + 1.5                             | 2 + 2     | 14.4                        | 240   | 75                       | 4 ÷ 5.5                           | 12 ÷ 18                 | 30 ÷ 35                      |         |        |
| CB2 - VLm 4/22 | CB2 - VL 4/22 | 2.2 + 2.2                             | 3 + 3     |                             |       |                          |                                   |                         |                              |         |        |

\*ACV = Autoclave a cuscino d'aria, air cushion vessel \*MV = Autoclave a membrana, membrane vessel



## Dimensioni (mm) e pesi (kg) Dimensions (mm) and weights (kg)

| COMBIPRESS    | DN1    | DN2 | A   | B   | C   | D   | E   | F   | G   | H   | Peso<br>Weight |
|---------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|
| CB2 - VL 4/11 | 2 1/2" | 2"  | 615 | 700 | 880 | 500 | 140 | 810 | 350 | 370 | 76             |
| CB2 - VL 4/15 | 2 1/2" | 2"  | 615 | 700 | 880 | 500 | 140 | 810 | 350 | 370 | 76             |
| CB2 - VL 4/22 | 2 1/2" | 2"  |     |     |     |     |     |     |     |     |                |





## manometri *pressure gauges*

| tipo <i>model</i> | attacco <i>connection</i>    | diametro <i>diameter</i> | scala <i>scale</i> |
|-------------------|------------------------------|--------------------------|--------------------|
| MR 10             | 1/4" - radiale <i>radial</i> | 63 mm                    | 0 ÷ 10 bar         |
| MR 16             | 1/4" - radiale <i>radial</i> | 63 mm                    | 0 ÷ 16 bar         |



## VR valvole di ritegno *VR check valves*

| tipo <i>model</i> | attacco <i>connection</i> |
|-------------------|---------------------------|
| VR 1              | 1" gas                    |
| VR 1.25           | 1 1/4" gas                |
| VR 1.5            | 1 1/2" gas                |
| VR 2              | 2" gas                    |

VR: valvole di ritegno in **ottone**, *brass check valves*



## valvola a sfera *ball valve*

| tipo <i>model</i>   | attacco <i>connection</i> |
|---|---------------------------|
| Valvola a sfera con bocchettone <i>ball valve with pipe union</i>                     | M/F 1" gas                |
| Valvola a sfera con bocchettone <i>ball valve with pipe union</i>                     | M/F 1 1/4" gas            |
| Valvola a sfera con bocchettone + maniglia <i>ball valve with pipe union + handle</i> | M/F 1 1/2" gas            |
| Valvola a sfera con bocchettone + maniglia <i>ball valve with pipe union + handle</i> | M/F 2" gas                |



## pressostati *pressure switches*

| tipo <i>model</i> | produttore <i>producer</i> | funzionamento <i>operation</i> | taratura <i>setting</i> * |
|-------------------|----------------------------|--------------------------------|---------------------------|
| FSG 9             | SQUARE D                   | monofase <i>single phase</i>   | 1.4 ÷ 2.8 bar             |
| FYG 29            | SQUARE D                   | monofase <i>single phase</i>   | 5.4 ÷ 7.0 bar             |
| FYG 39            | SQUARE D                   | monofase <i>single phase</i>   | 8.0 ÷ 10.5 bar            |

\* REGOLABILE *adjustable*



## termico monofase single phase thermal protection

| tipo <i>model</i>                                      | corrente nominale<br><i>nominal curret</i> |
|--|--|
| termico per quadro QE2M <i>QE2M thermal protection</i> | 4 A  |
| termico per quadro QE2M <i>QE2M thermal protection</i> | 6 A  |
| termico per quadro QE2M <i>QE2M thermal protection</i> | 8 A  |
| termico per quadro QE2M <i>QE2M thermal protection</i> | 10 A                                       |
| termico per quadro QE2M <i>QE2M thermal protection</i> | 16 A                                       |



## termico trifase three phase thermal protection

| tipo <i>model</i>                                      | corrente nominale<br><i>nominal curret</i> |
|--|--|
| termico per quadro QE2T <i>QE2T thermal protection</i> | 2.0 ÷ 3.3 A                                |
| termico per quadro QE2T <i>QE2T thermal protection</i> | 3.0 ÷ 5.0 A                                |
| termico per quadro QE2T <i>QE2T thermal protection</i> | 4.5 ÷ 7.5 A                                |
| termico per quadro QE2T <i>QE2T thermal protection</i> | 6.0 ÷ 10.0 A                               |
| termico per quadro QE2T <i>QE2T thermal protection</i> | 9.0 ÷ 15.0 A                               |
| termico per quadro QE2T <i>QE2T thermal protection</i> | 14.0 ÷ 23.0 A                              |



## contattore *contactor*

| tipo <i>model</i>                | corrente nominale<br><i>nominal curret</i> |
|----------------------------------|--|
| contattore <i>contactor</i> BG9  | 9A 400V bobina <i>coil</i>                 |
| contattore <i>contactor</i> BF12 | 12A 400V bobina <i>coil</i>                |
| contattore <i>contactor</i> BF16 | 16A 400V bobina <i>coil</i>                |



## scheda *board*

| tipo <i>model</i>                                     |
|---|
| scheda per quadro QE2M <i>QE2M control boxe board</i> |
| scheda per quadro QE2T <i>QE2T control boxe board</i> |



## quadri elettrici monofase **QE2M** **QE2M single phase control boxes**

| tipo <i>model</i>         |                           | potenza motore<br><i>motor power</i> | termico<br><i>termical protector</i> |
|---------------------------|---------------------------|--------------------------------------|--------------------------------------|
| quadro elettrico          | <i>control boxes</i>      | 0.6 HP                               | 4 A                                  |
| quadro elettrico          | <i>control boxes</i>      | 0.8 HP                               | 6 A                                  |
| quadro elettrico          | <i>control boxes</i>      | 1.0 HP                               | 8 A                                  |
| quadro elettrico          | <i>control boxes</i>      | 1.5 HP                               | 10 A                                 |
| quadro elettrico          | <i>control boxes</i>      | 2.0 HP                               | 16 A                                 |
| quadro elettrico per "VL" | <i>"VL" control boxes</i> | 1.5 HP                               | 10 A                                 |
| quadro elettrico per "VL" | <i>"VL" control boxes</i> | 2.0 HP                               | 16 A                                 |



## quadri elettrici trifase **QE2T** **QE2T three phase control boxes**

| tipo <i>model</i>         |                           | potenza motore<br><i>motor power</i> | termico<br><i>termical protector</i> |
|---------------------------|---------------------------|--------------------------------------|--------------------------------------|
| quadro elettrico          | <i>control boxes</i>      | 1.0 HP                               | 2.0 ÷ 3.3 A                          |
| quadro elettrico          | <i>control boxes</i>      | 1.5 HP                               | 3.0 ÷ 5.0 A                          |
| quadro elettrico          | <i>control boxes</i>      | 2.0 HP                               | 4.5 ÷ 7.5 A                          |
| quadro elettrico          | <i>control boxes</i>      | 3.0 HP                               | 4.5 ÷ 7.5 A                          |
| quadro elettrico per "VL" | <i>"VL" control boxes</i> | 2.0 HP                               | 3.0 ÷ 5.0 A                          |
| quadro elettrico          | <i>control boxes</i>      | 4.0 HP                               | 6.0 ÷ 10.0 A                         |
| quadro elettrico          | <i>control boxes</i>      | 5.5 HP                               | 9.0 ÷ 15.0 A                         |
| quadro elettrico          | <i>control boxes</i>      | 7.5 HP                               | 9.0 ÷ 15.0 A                         |
| quadro elettrico          | <i>control boxes</i>      | 10.0 HP                              | 14.0 ÷ 23.0 A                        |

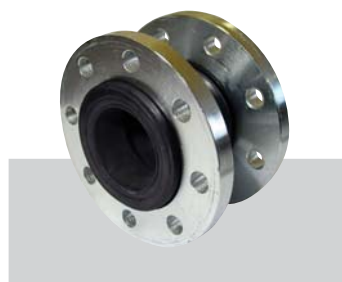


## sezionatore generale **disconnecting switch**

### tipo *model*

Sezionatore generale monofase *single phase disconnecting switch*

Sezionatore generale trifase *three phase disconnecting switch*

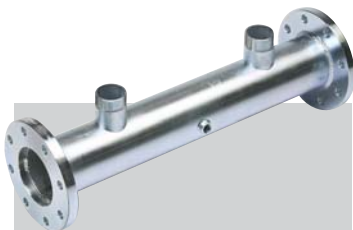


## giunto elastico

### tipo *model*

Sezionatore generale monofase *single phase disconnecting switch*

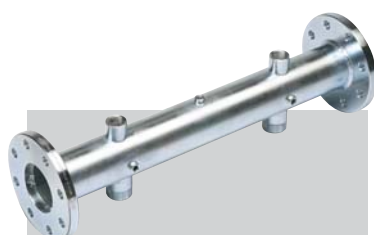
Sezionatore generale trifase *three phase disconnecting switch*



## collettore flangiato aspirazione *suction flanged manifold*

tipo *model*

collettore flangiato d'aspirazione *suction flanged manifold* 4" x 2"



## collettore flangiato mandata *delivery flanged manifold*

tipo *model*

collettore flangiato di mandata *delivery flanged manifold* 3" x 1 1/2 "

## collettore d'aspirazione *suction manifold*

tipo *model*

collettore d'aspirazione *suction manifold* 1 1/2 " x 1"

collettore d'aspirazione *suction manifold* 2" x 1 1/2 "

collettore d'aspirazione *suction manifold* 2 1/2 " x 1 1/2 "

collettore d'aspirazione *suction manifold* 3" x 2"

collettore d'aspirazione inox solo per VL

*stainless steel suction manifold only for VL* 2" x 1 1/2 "



## collettore mandata *delivery manifold*

tipo *model*

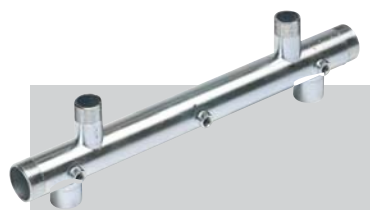
collettore di mandata *delivery manifold* 1 1/2 " x 1"

collettore di mandata *delivery manifold* 2" x 1 1/4"

collettore di mandata *delivery manifold* 2 1/2 " x 1 1/4"

collettore di mandata inox solo per VL

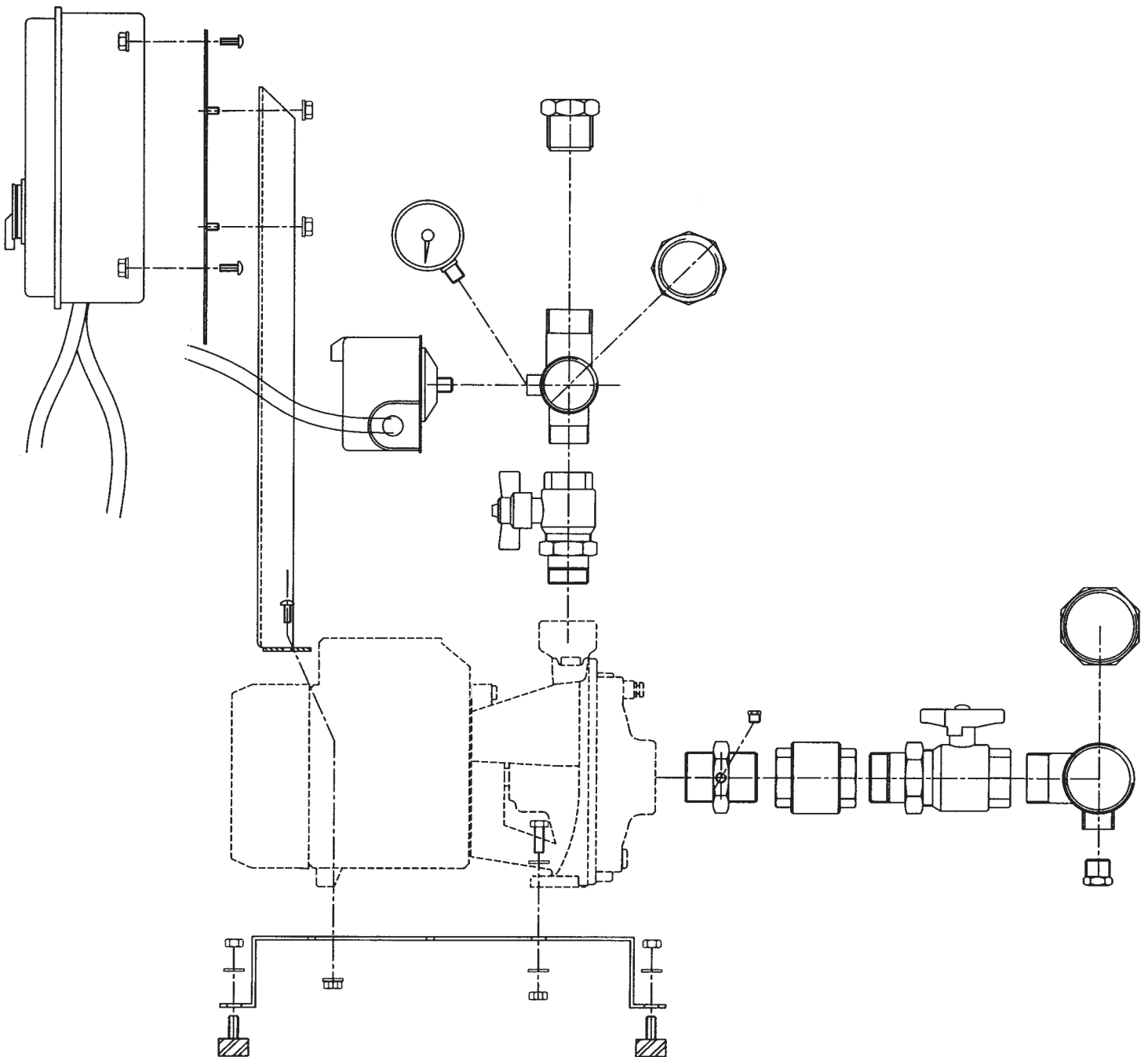
*stainless steel delivery manifold only for VL* 2" x 1 1/4"



# COMBIPRESS

**Kit di montaggio CB2**

**CB2 assembly kit**



# COMBIPRESS

## Quadro elettrico monofase

### Single phase control box

**LEGGENDA:**

G2 = PRESSOSTATO 1

G1 = PRESSOSTATO 2

M1 = MOTORE 1

M2 = MOTORE 2

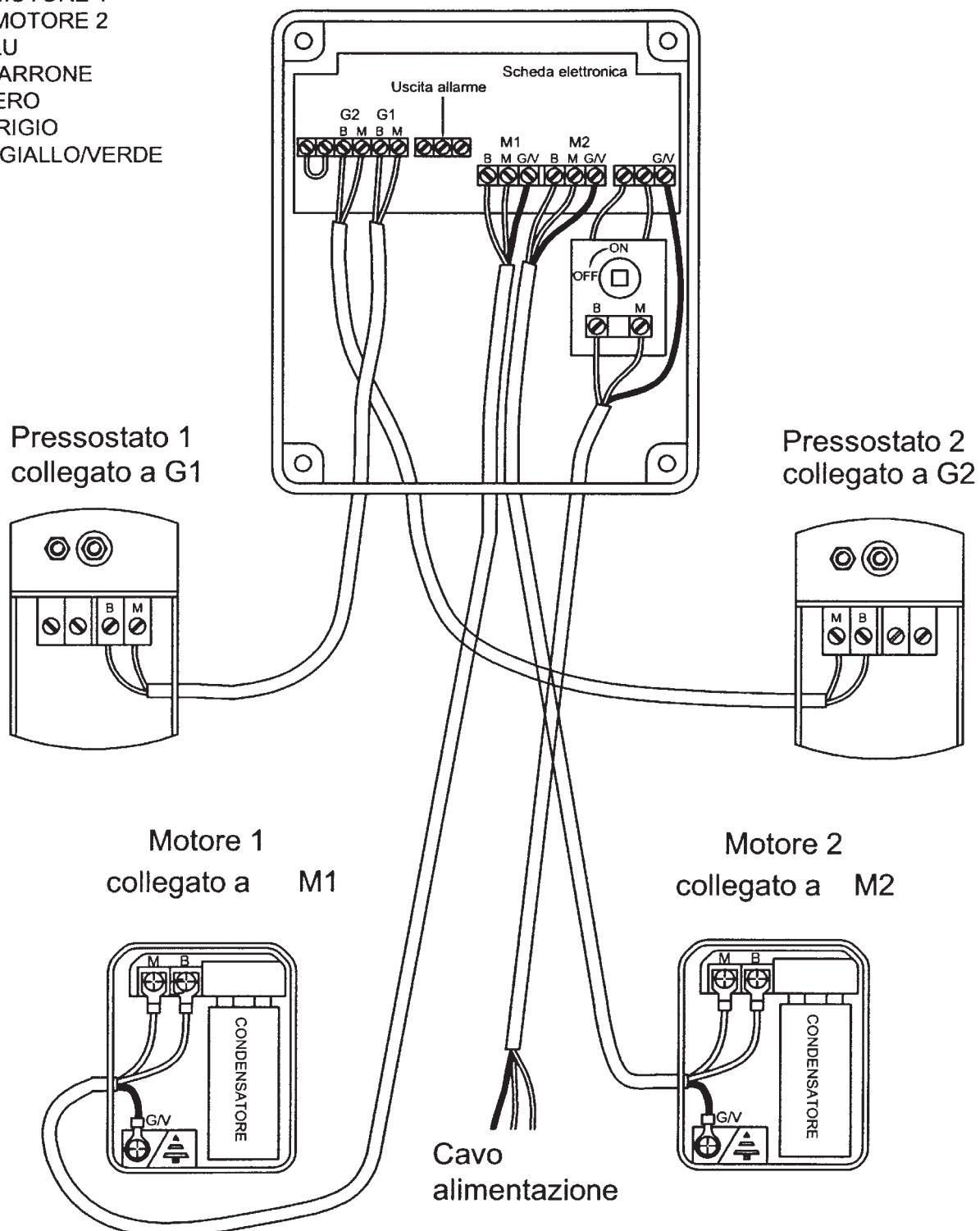
B = BLU

M = MARRONE

N = NERO

G = GRIGIO

G/V = GIALLO/VERDE

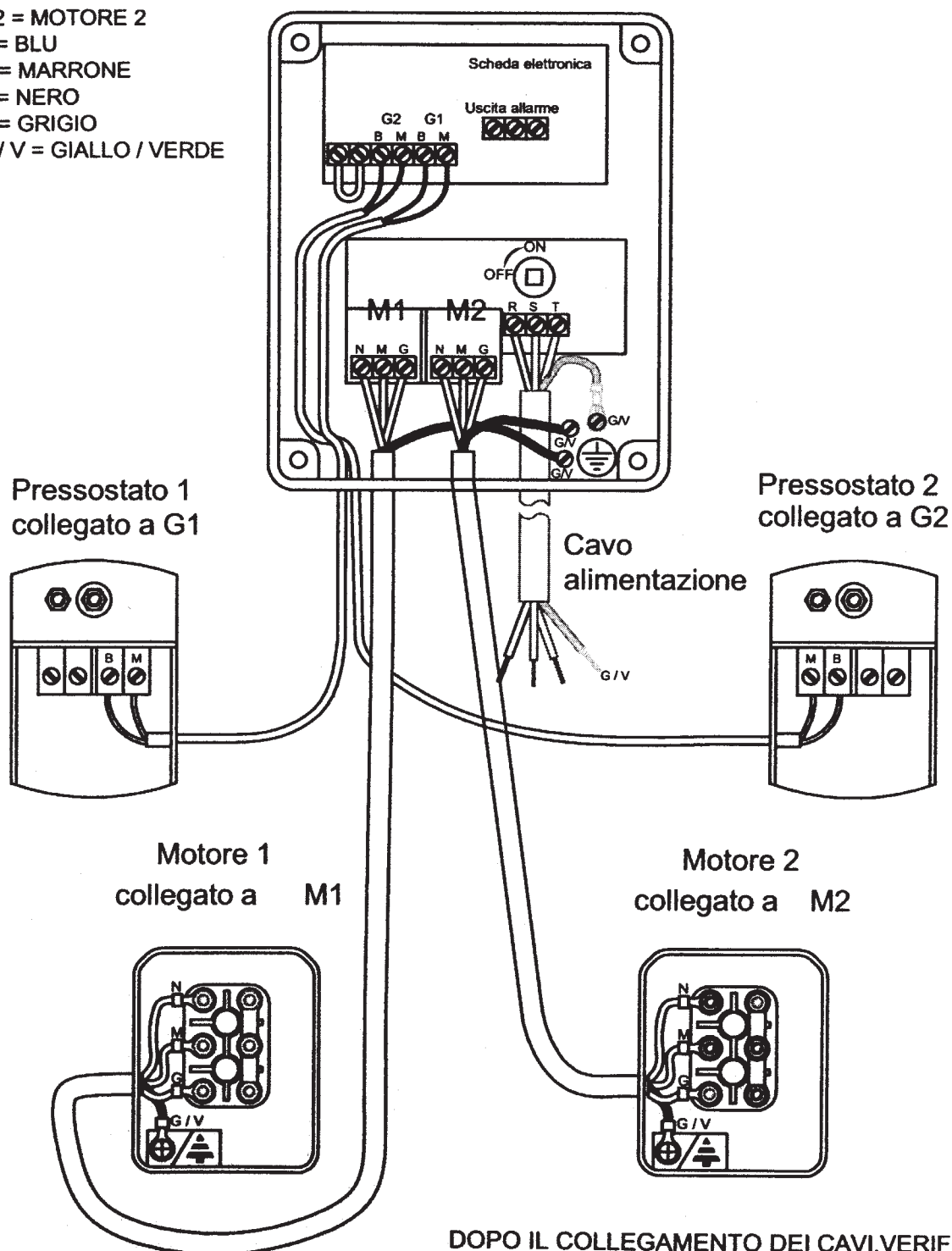


# COMBIPRESS

## Quadro elettrico trifase *three phase control box*

**LEGGENDA:**

- G2 = PRESSOSTATO 1
- G1 = PRESSOSTATO 2
- M1 = MOTORE 1
- M2 = MOTORE 2
- B = BLU
- M = MARRONE
- N = NERO
- G = GRIGIO
- G / V = GIALLO / VERDE

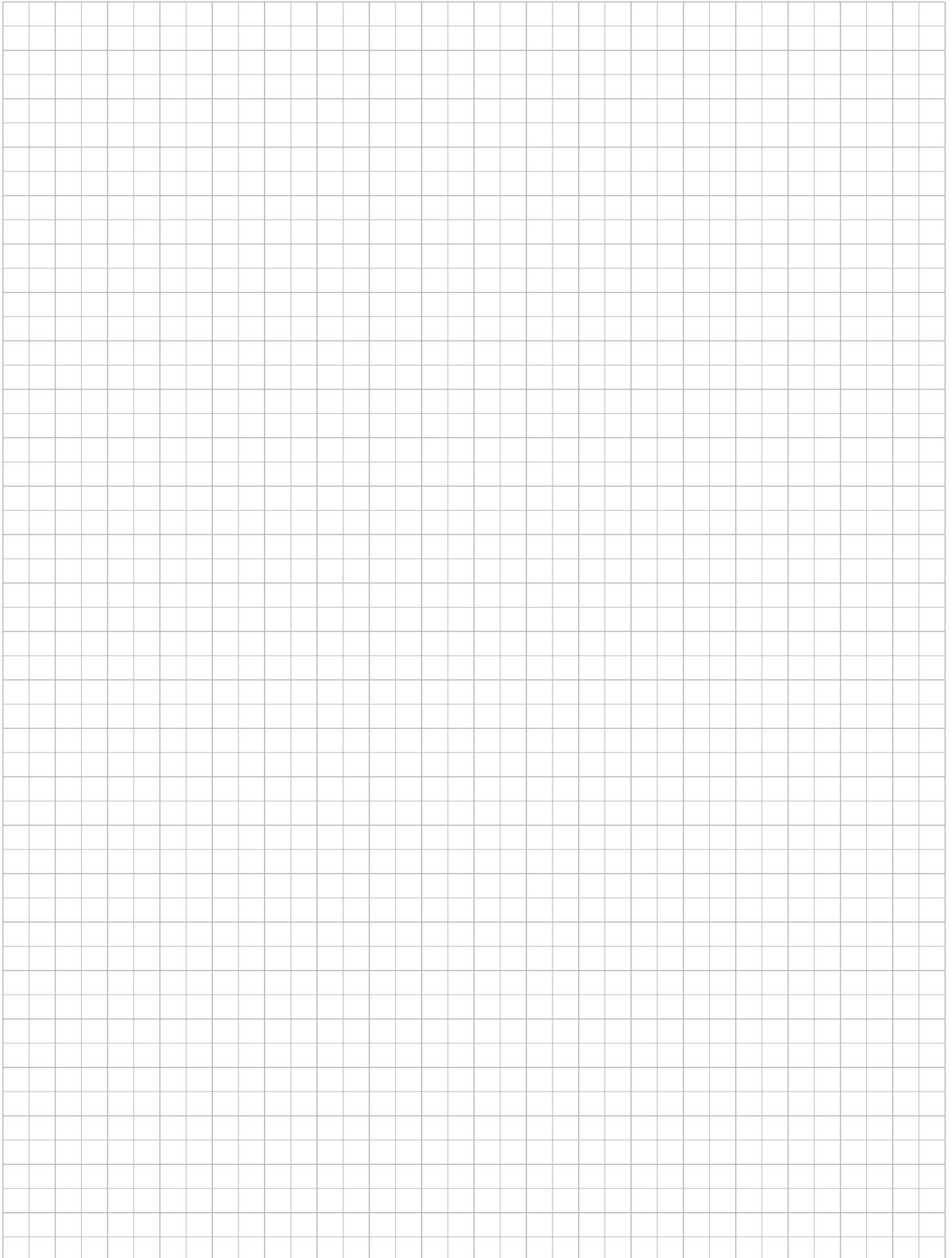


DOPO IL COLLEGAMENTO DEI CAVI, VERIFICARE  
 IL SENSO DI ROTAZIONE DEI MOTORI.











*... the spring of life*