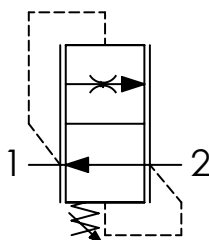


## SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



## DATI TECNICI / TECHNICAL DATA

|                                                                                                                                                                                    |                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Olio idraulico - Mineral oil                                                                                                                                                       | ISO 6743/4 (DIN 51524)        |
| Viscosità olio - Oil viscosity                                                                                                                                                     | 15-250 mm²/s (15 to 250 cSt)  |
| Classe di contaminazione max<br>Max contamination index                                                                                                                            | ISO 4406:1999 Classe 18/16/13 |
| Temperatura dell'olio - Oil temperature                                                                                                                                            | -20°C +80°C -4°F +176°F       |
| Temperatura ambiente - Ambient temperature                                                                                                                                         | -20°C +50°C -4°F +122°F       |
| È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)<br>It is necessary a filter use to protect the valve (advised filtration 15 µm) |                               |

CODICE ORDINAZIONE  
ORDERING CODE

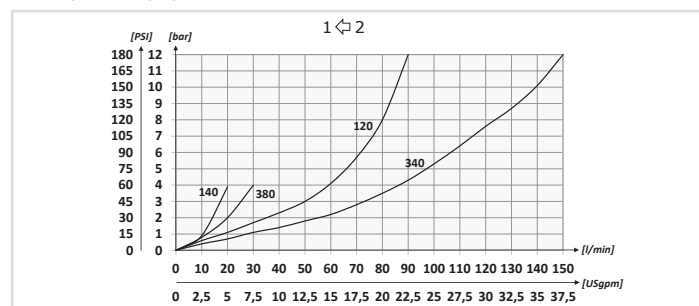
|     |    |    |    |
|-----|----|----|----|
| 01  | 02 | 03 | 04 |
| VRD |    |    |    |

|    |                                                                                                            |                                                                                                                                           |                          |                           |                         |                           |                        |
|----|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|-------------------------|---------------------------|------------------------|
| 01 | VALVOLE CONTROLLO DISCESA REGOLABILI COMPENSATE<br>(ADJUSTABLE FLOW CONTROL VALVES - PRESSURE COMPENSATED) |                                                                                                                                           |                          |                           |                         |                           | VRD                    |
| 02 | DIMENSIONE<br>(SIZE)                                                                                       | BSPP 1/4                                                                                                                                  |                          |                           |                         |                           | 140                    |
|    |                                                                                                            | BSPP 3/8                                                                                                                                  |                          |                           |                         |                           | 380                    |
|    |                                                                                                            | BSPP 1/2                                                                                                                                  |                          |                           |                         |                           | 120                    |
|    |                                                                                                            | BSPP 3/4                                                                                                                                  |                          |                           |                         |                           | 340                    |
| 03 | FLUSSO<br>CONTROLLATO<br>A 50 BAR<br>(CONTROLLED<br>FLOW AT<br>50 BAR)                                     | A                                                                                                                                         | B                        | C                         | D                       | E                         | F                      |
|    |                                                                                                            | l/min-USgpm                                                                                                                               |                          |                           |                         |                           |                        |
|    |                                                                                                            | 1,4/4,2<br>(0,37/1,11)                                                                                                                    | 2,4/7,8<br>(0,63/2,06)   | 3,8/9<br>(1/2,38)         | 6/13,4<br>(1,58/3,54)   | 8,6/17,5<br>(2,27/4,62)   | 12,2/24<br>(3,22/6,34) |
|    |                                                                                                            | 1,7/3,7<br>(0,45/0,98)                                                                                                                    | 3/5,5<br>(0,79/1,45)     | 5/10,5<br>(1,32/2,77)     | 10/18<br>(2,64/4,75)    | 16,5/25,4<br>(4,36/6,71)  | 19,5/33<br>(5,15/8,71) |
|    |                                                                                                            | 15,5/23,8<br>(4,09/6,28)                                                                                                                  | 19,7/32,5<br>(5,20/8,58) | 22,8/38,4<br>(6,02/10,14) | 32/51,4<br>(8,45/13,57) | 40,5/71,6<br>(10,69/18,9) | -                      |
| 04 | REGOLAZIONE<br>(SETTING)                                                                                   | ESEMPIO: REGOLAZIONE 15 MM<br>(EXAMPLE: SETTING 15 MM)<br>F 15<br>(TOLLERANZA IN PORTATA ± 10%)<br>(TOLERANCE OF SETTING FLOW RATE ± 10%) |                          |                           |                         |                           |                        |
|    |                                                                                                            | *OMESSO SE NON RICHIESTO<br>(OMITTED IF NOT REQUIRED)                                                                                     |                          |                           |                         |                           |                        |

\*Se omissa questo valore, le valvole vengono fornite senza alcuna taratura di fabbrica e i dadi non sono serrati. Per garantire il loro corretto funzionamento è necessario che venga eseguito il settaggio da parte dell'installatore finale.

If this value is omitted, the valves are supplied without factory setting and nuts are not tightened. For the correct operating it is needed a calibration of the valve made by final installer.

## PERFORMANCES



## CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

| TIPO<br>TYPE | A        | PORTATA MAX<br>MAX FLOW<br>l/min-USgpm | PRESSIONE MAX<br>MAX PRESSURE<br>bar-PSI | B              | C            | D            | E            | T             | G              | L            | M            | R            | S            | PESO APPROX<br>APPROX WEIGHT<br>kg-lbs | COPPIA<br>DI SERRAGGIO<br>TIGHTENING TORQUE<br>Nm-lbs ft |
|--------------|----------|----------------------------------------|------------------------------------------|----------------|--------------|--------------|--------------|---------------|----------------|--------------|--------------|--------------|--------------|----------------------------------------|----------------------------------------------------------|
| VRD140       | BSPP 1/4 | 20<br>(5.3)                            | 300<br>(4350)                            | 10<br>(0.39)   | 33<br>(1.30) | 53<br>(2.09) | 6<br>(0.24)  | 7<br>(0.28)   | 13,5<br>(0.53) | 39<br>(1.54) | 10<br>(0.39) | 57<br>(2.24) | 66<br>(2.60) | 0,013<br>(0.029)                       | 6<br>(4.5)                                               |
| VRD380       | BSPP 3/8 | 35<br>(9.2)                            |                                          | 12,5<br>(0.49) | 36<br>(1.42) | 60<br>(2.63) | 5<br>(0.20)  | 9,5<br>(0.37) | 15,5<br>(0.61) | 45<br>(1.77) | 14<br>(0.55) | 64<br>(2.52) | 73<br>(2.87) | 0,024<br>(0.053)                       | 8<br>(6)                                                 |
| VRD120       | BSPP 1/2 | 65<br>(17.2)                           |                                          | 16<br>(0.63)   | 39<br>(1.54) | 63<br>(2.48) | 7<br>(0.28)  | 12<br>(0.47)  | 16<br>(0.63)   | 51<br>(2.01) | 18<br>(0.71) | 69<br>(2.72) | 81<br>(3.19) | 0,037<br>(0.082)                       | 12<br>(9)                                                |
| VRD340       | BSPP 3/4 | 150<br>(39.6)                          |                                          | 20<br>(0.79)   | 50<br>(1.97) | 81<br>(3.19) | 10<br>(0.39) | 16<br>(0.63)  | 21<br>(0.83)   | 62<br>(2.44) | 23<br>(0.91) | 87<br>(3.43) | 99<br>(3.90) | 0,079<br>(0.18)                        | 15<br>(11.25)                                            |