Hydraulic Valves and Integrated Components

3

Valvole di non ritorno

Check valves

Indice

codice	descrizione	pagine
003.036.AW0	VNR-C-SO-SE-14-A-W (vecchio codice: 003.102.000)	3-06-01-03/3-06-01-04
003.037.0J0	VNR-C-SO-SE-16-J (vecchio codice: 003.037.000)	3-06-01-03/3-06-01-04
003.037.0W0	VNR-C-SO-SE-16-W (vecchio codice: 003.103.000)	3-06-01-03/3-06-01-04
003.037.AJ0	VNR-C-SO-SE-16-A-J (vecchio codice: 003.104.000)	3-06-01-03/3-06-01-04
003.037.AW0	VNR-C-SO-SE-16-A-W (vecchio codice: 003.105.000)	3-06-01-03/3-06-01-04
003.038.0J0	VNR-C-SO-SE-38-J (vecchio codice: 003.038.000)	3-06-01-03/3-06-01-04
003.038.0W0	VNR-C-SO-SE-38-W (vecchio codice: 003.106.000)	3-06-01-03/3-06-01-04
003.038.AJ0	VNR-C-SO-SE-38-A-J (vecchio codice: 003.107.000)	3-06-01-03/3-06-01-04
003.038.AW0	VNR-C-SO-SE-38-A-W (vecchio codice: 003.108.000)	3-06-01-03/3-06-01-04
003.039.0J0	VNR-C-SO-SE-12-J (vecchio codice: 003.039.000)	3-06-01-03/3-06-01-04
003.039.0W0	VNR-C-SO-SE-12-W (vecchio codice: 003.109.000)	3-06-01-03/3-06-01-04
003.039.AJ0	VNR-C-SO-SE-12-A-J (vecchio codice: 003.110.000)	3-06-01-03/3-06-01-04
003.039.AW0	VNR-C-SO-SE-12-A-W (vecchio codice: 003.111.000)	3-06-01-03/3-06-01-04
003.040.0J0	VNR-C-SO-SE-14-FC1-J (vecchio codice: 003.040.000)	3-08-01-03/3-08-01-04
003.040.0W0	VNR-C-SO-SE-14-FC1-W (vecchio codice: 003.112.000)	3-08-01-03/3-08-01-04
003.040.AJ0	VNR-C-SO-SE-14-FC1-A-J (vecchio codice: 003.113.000)	3-08-01-03/3-08-01-04
003.040.AW0	VNR-C-SO-SE-14-FC1-A-W (vecchio codice: 003.114.000)	3-08-01-03/3-08-01-04
003.041.0J0	VNR-C-SO-SE-16-FC1-J (vecchio codice: 003.041.000)	3-08-01-03/3-08-01-04
003.041.0W0	VNR-C-SO-SE-16-FC1-W (vecchio codice: 003.115.000)	3-08-01-03/3-08-01-04
003.041.AJ0	VNR-C-SO-SE-16-FC1-A-J (vecchio codice: 003.116.000)	3-08-01-03/3-08-01-04
003.041.AW0	VNR-C-SO-SE-16-FC1-A-W (vecchio codice: 003.117.000)	3-08-01-03/3-08-01-04
003.042.0J0	VNR-C-SO-SE-38-FC1-J (vecchio codice: 003.042.000)	3-08-01-03/3-08-01-04
003.042.0W0	VNR-C-SO-SE-38-FC1-W (vecchio codice: 003.118.000)	3-08-01-03/3-08-01-04
003.042.AJ0	VNR-C-SO-SE-38-FC1-A-J (vecchio codice: 003.119.000)	3-08-01-03/3-08-01-04
003.042.AW0	VNR-C-SO-SE-38-FC1-A-W (vecchio codice: 003.120.000)	3-08-01-03/3-08-01-04
003.043.0J0	VNR-C-SO-SE-12-FC1-J (vecchio codice: 003.043.000)	3-08-01-03/3-08-01-04
003.043.0W0	VNR-C-SO-SE-12-FC1-W (vecchio codice: 003.121.000)	3-08-01-03/3-08-01-04
003.043.AJ0	VNR-C-SO-SE-12-FC1-A-J (vecchio codice: 003.122.000)	3-08-01-03/3-08-01-04
003.043.AW0	VNR-C-SO-SE-12-FC1-A-W (vecchio codice: 003.123.000)	3-08-01-03/3-08-01-04
003.047.0J0	VNR-C-SO-DE-14-J (vecchio codice: 003.047.000)	3-10-01-01/3-10-01-02
003.047.0W0	VNR-C-SO-DE-14-W (vecchio codice: 003.127.000)	3-10-01-01/3-10-01-02
003.047.AJ0	VNR-C-SO-DE-14-A-J (vecchio codice: 003.128.000)	3-10-01-01/3-10-01-02
003.047.AW0	VNR-C-SO-DE-14-A-W (vecchio codice: 003.129.000)	3-10-01-01/3-10-01-02
003.048.0J0	VNR-C-SO-DE-16-J (vecchio codice: 003.048.000)	3-10-01-01/3-10-01-02
003.048.0W0	VNR-C-SO-DE-16-W (vecchio codice: 003.130.000)	3-10-01-01/3-10-01-02
003.048.AJ0	VNR-C-SO-DE-16-A-J (vecchio codice: 003.131.000)	3-10-01-01/3-10-01-02
003.048.AW0	VNR-C-SO-DE-16-A-W (vecchio codice: 003.132.000)	3-10-01-01/3-10-01-02
003.049.0J0	VNR-C-SO-DE-38-J (vecchio codice: 003.049.000)	3-10-01-01/3-10-01-02
003.049.0W0	VNR-C-SO-DE-38-W (vecchio codice: 003.133.000)	3-10-01-01/3-10-01-02
003.049.AJ0	VNR-C-SO-DE-38-A-J (vecchio codice: 003.134.000)	3-10-01-01/3-10-01-02
003.049.AW0	VNR-C-SO-DE-38-A-W (vecchio codice: 003.135.000)	3-10-01-01/3-10-01-02
003.050.0J0	VNR-C-SO-DE-12-J (vecchio codice: 003.050.000)	3-10-01-01/3-10-01-02
003.050.0W0	VNR-C-SO-DE-12-W (vecchio codice: 003.136.000)	3-10-01-01/3-10-01-02
003.050.AJ0	VNR-C-SO-DE-12-A-J (vecchio codice: 003.137.000)	3-10-01-01/3-10-01-02
003.050.AW0	VNR-C-SO-DE-12-A-W (vecchio codice: 003.138.000)	3-10-01-01/3-10-01-02
003.059.000	VP-14	3-14-01-01/3-14-01-02
003.060.000	VP-38	3-14-01-01/3-14-01-02
003.061.000	VP-12	3-14-01-01/3-14-01-02
003.062.000	VP-34	3-14-01-01/3-14-01-02
003.063.000	VPC-14-MF	3-14-01-01/3-14-01-02
003.064.000	VPC-38-MF	3-14-01-01/3-14-01-02
003.065.000	VPC-12-MF	3-14-01-01/3-14-01-02
003.066.000	VPC-34-MF	3-14-01-01/3-14-01-02
003.067.000	VPC-14-FF	3-14-01-01/3-14-01-02
003.068.000	VPC-38-FF	3-14-01-01/3-14-01-02
003.069.000	VPC-12-FF	3-14-01-01/3-14-01-02
003.070.000	VPC-34-FF	3-14-01-01/3-14-01-02
003.155.0J0	VNR-C-34-100-J (vecchio codice: 003.155.000)	3-01-01-17/3-01-01-18
003.155.0W0	VNR-C-34-100-W (vecchio codice: 003.199.000)	3-01-01-17/3-01-01-18
003.157.0J0	VNR-SO-SE-PS-14-J	3-06-01-01/3-06-01-02
003.157.0W0	VNR-SO-SE-PS-14-W (vecchio codice: 003.157.000)	3-06-01-01/3-06-01-02
003.158.0J0	VNR-SO-SE-PS-38-J	3-06-01-01/3-06-01-02
003.158.0W0	VNR-SO-SE-PS-38-W (vecchio codice: 003.158.000)	3-06-01-01/3-06-01-02
003.232.0J0	VNR-C-SO-DE-50-SP-FCB-38-J (vecchio codice: 003.232.000)	3-11-01-01/3-11-01-02
003.232.0W0	VNR-C-SO-DE-50-SP-FCB-38-W	3-11-01-01/3-11-01-02
003.233.0J0	VNR-C-SO-SE-50-SP-FCB-38-J (vecchio codice: 003.233.000)	3-08-01-01/3-08-01-02
003.233.0W0	VNR-C-SO-SE-50-SP-FCB-38-W	3-08-01-01/3-08-01-02
003.250.0J0	VNR-C-SO-DE-50-SP-FCB-12-J (vecchio codice: 003.250.000)	3-11-01-01/3-11-01-02
003.250.0W0	VNR-C-SO-DE-50-SP-FCB-12-W	3-11-01-01/3-11-01-02
003.251.0J0	VNR-C-SO-SE-50-SP-FCB-12-J (vecchio codice: 003.251.000)	3-08-01-01/3-08-01-02
003.251.0W0	VNR-C-SO-SE-50-SP-FCB-12-W	3-08-01-01/3-08-01-02
003.252.0J0	A-VNR-SO-DE-14D-L-J (vecchio codice: 003.252.000)	3-17-01-05/3-17-01-06
003.252.0W0	A-VNR-SO-DE-14D-L-W	3-17-01-05/3-17-01-06
003.252.AJ0	A-VNR-SO-DE-14D-L-A-J (vecchio codice: 003.253.000)	3-17-01-05/3-17-01-06

codice	descrizione	pagine
003.252.AW0	A-VNR-SO-DE-14D-L-A-W	3-17-01-05/3-17-01-06
003.254.0J0	A-VNR-SO-DE-14-L-J (vecchio codice: 003.254.000)	3-17-01-03/3-17-01-04
003.254.0W0	A-VNR-SO-DE-14-L-W	3-17-01-03/3-17-01-04
003.254.AJ0	A-VNR-SO-DE-14-L-A-J (vecchio codice: 003.255.000)	3-17-01-03/3-17-01-04
003.254.AW0	A-VNR-SO-DE-14-L-A-W	3-17-01-03/3-17-01-04
003.256.0J0	A-VNR-SO-DE-38D-L-J (vecchio codice: 003.256.000)	3-17-01-05/3-17-01-06
003.256.0W0	A-VNR-SO-DE-38D-L-W	3-17-01-05/3-17-01-06
003.256.AJ0	A-VNR-SO-DE-38D-L-A-J (vecchio codice: 003.257.000)	3-17-01-05/3-17-01-06
003.256.AW0	A-VNR-SO-DE-38D-L-A-W	3-17-01-05/3-17-01-06
003.258.0J0	A-VNR-SO-DE-38-L-J (vecchio codice: 003.258.000)	3-17-01-03/3-17-01-04
003.258.0W0	A-VNR-SO-DE-38-L-W	3-17-01-03/3-17-01-04
003.258.AJ0	A-VNR-SO-DE-38-L-A-J (vecchio codice: 003.259.000)	3-17-01-03/3-17-01-04
003.258.AW0	A-VNR-SO-DE-38-L-A-W	3-17-01-03/3-17-01-04
003.265.0J0	VNR-C-SO-SE-50-SP-J (vecchio codice: 003.265.000)	3-04-01-01/3-04-01-02
003.265.0U0	VNR-C-SO-SE-50-SP-U (vecchio codice: 003.343.000)	3-04-01-01/3-04-01-02
003.265.0W0	VNR-C-SO-SE-50-SP-W (vecchio codice: 003.273.000)	3-04-01-01/3-04-01-02
003.283.000	VR-DE-38-S	1-10-05-01/1-10-05-02
003.290.0X0	VRC-SE-14-D-S-X (vecchio codice: 003.290.000)	3-18-01-01/3-18-01-02
003.290.0Y0	VRC-SE-14-D-S-Y	3-18-01-01/3-18-01-02
003.291.0X0	VRC-SE-38-D-S-X (vecchio codice: 003.291.000)	3-18-01-01/3-18-01-02
003.291.0Y0	VRC-SE-38-D-S-Y	3-18-01-01/3-18-01-02
003.292.0X0	VRC-SE-14D-D-S-X (vecchio codice: 003.292.000)	3-18-01-01/3-18-01-02
003.292.0Y0	VRC-SE-14D-D-S-Y	3-18-01-01/3-18-01-02
003.293.0X0	VRC-SE-38D-D-S-X (vecchio codice: 003.293.000)	3-18-01-01/3-18-01-02
003.293.0Y0	VRC-SE-38D-D-S-Y	3-18-01-01/3-18-01-02
003.297.0X0	VRC-SE-OIL-38-D-S-X	3-18-01-03/3-18-01-04
003.297.0Y0	VRC-SE-OIL-38-D-S-Y	3-18-01-03/3-18-01-04
003.321.0J0	VNR-C-40-011N-34UNF-SF-J (vecchio codice: 003.321.000)	3-01-01-11/3-01-01-12
003.321.0W0	VNR-C-40-011N-34UNF-SF-W	3-01-01-11/3-01-01-12
003.335.0J0	VNR-C-SE-071N-78UNF-J (vecchio codice: 003.335.000)	3-04-01-03/3-04-01-04
003.335.0W0	VNR-C-SE-071N-78UNF-W	3-04-01-03/3-04-01-04
003.341.0X0	VRC-SE-OIL-14-D-S-X	3-18-01-03/3-18-01-04
003.341.0Y0	VRC-SE-OIL-14-D-S-Y	3-18-01-03/3-18-01-04
003.341.AX0	VRC-SE-OIL-14-D-S-X	3-18-01-03/3-18-01-04
003.341.AY0	VRC-SE-OIL-14-D-S-Y	3-18-01-03/3-18-01-04

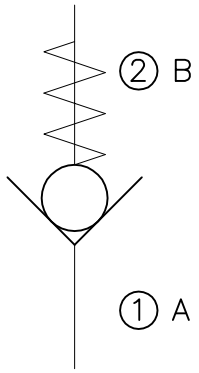
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–14–38

SCHEMA DI FUNZIONAMENTO



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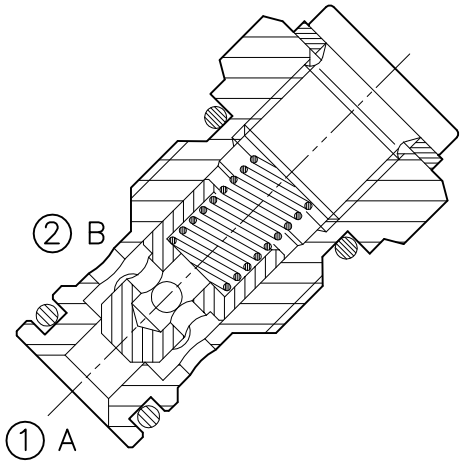
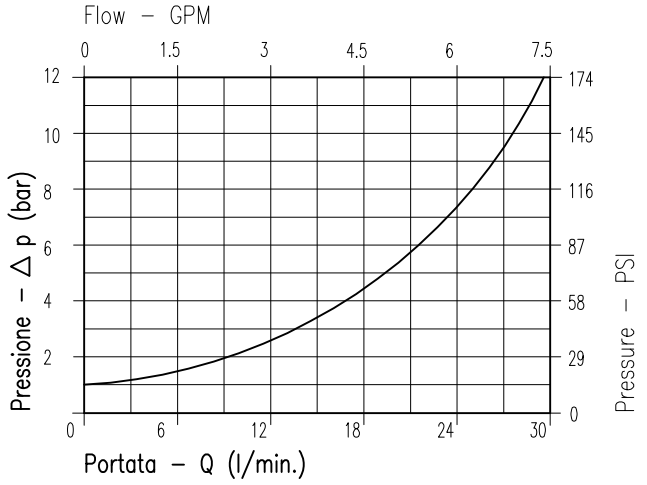


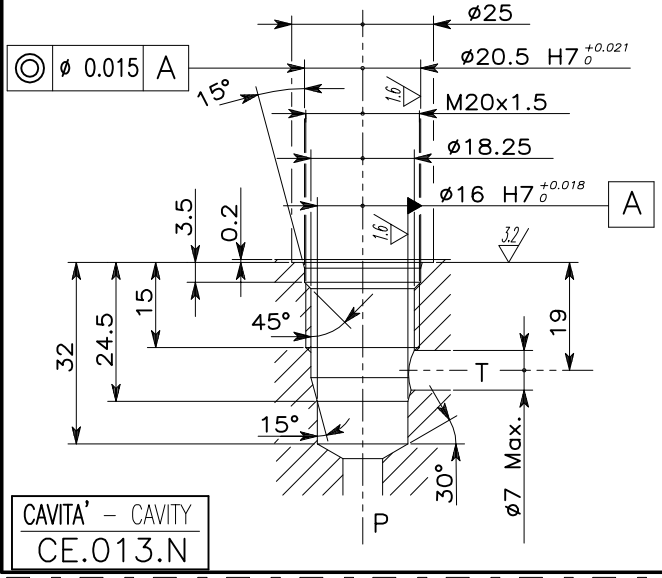
CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	6
Portata min/max *Min/max flow–rate*	l/min–GPM	1/30 – 0.26/7.9
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	50–59
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

NOTE:

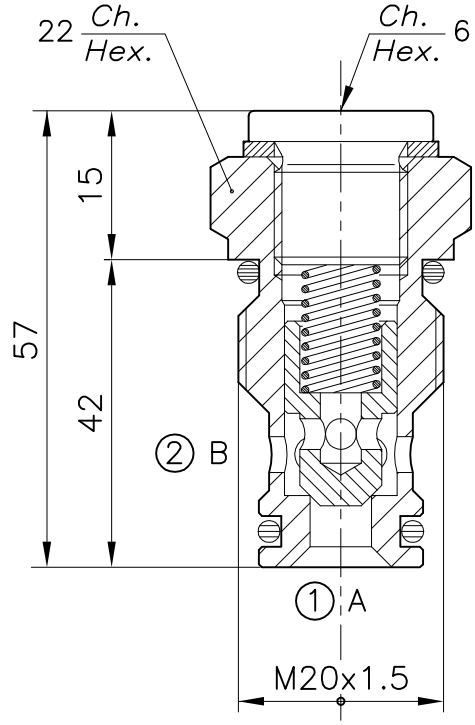


CAVITA' – CAVITY
CE.013.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN s.r.l. HYDRAULIC VALVES AND INTEGRATED COMPONENTS ITALY

VNR–C–14–38



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR–C–14–38–✱	006

Inizio apertura ✱ *Cracking pressure*	
1 bar – Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar – Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3		0	0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

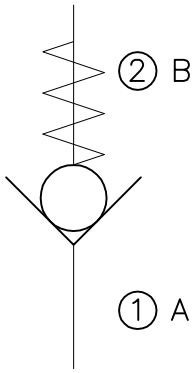
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

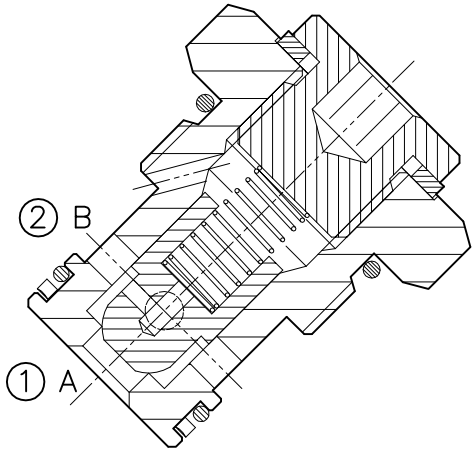
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–CS–78UNF

SCHEMA DI FUNZIONAMENTO

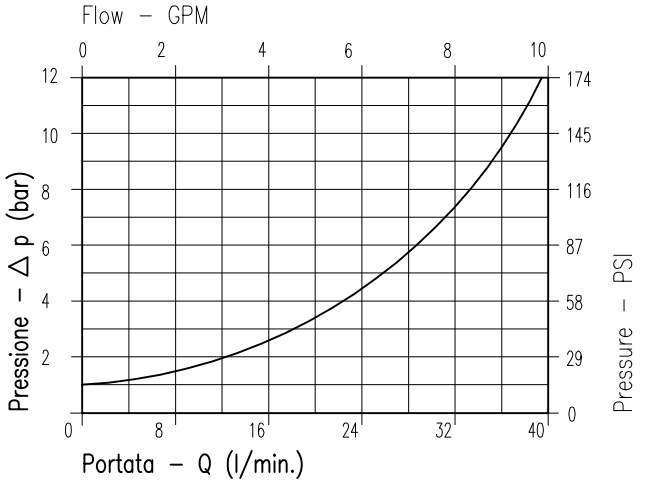


CRITERI PROGETTUALI



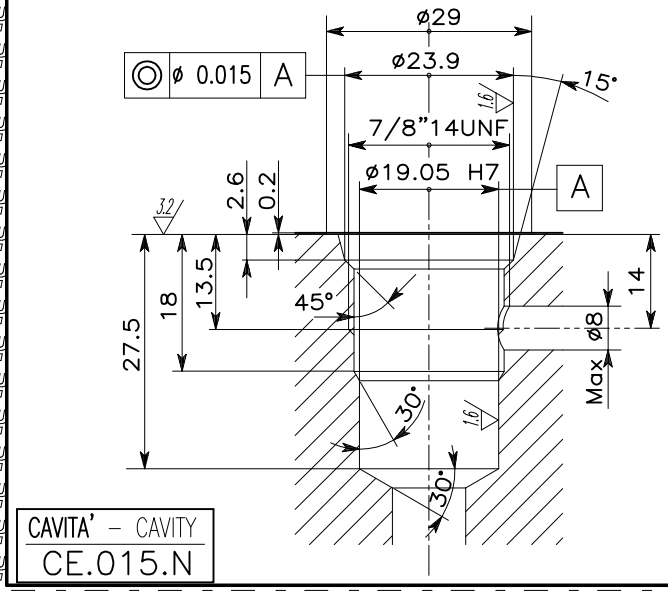
CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	6
Portata min/max *Min/max flow–rate*	l/min–GPM	1/40 – 0.26/10.6
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	75–87
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

NOTE:

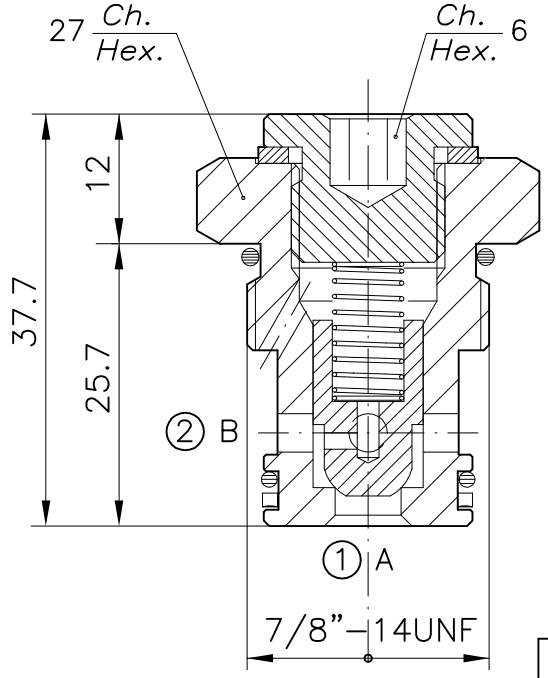


CAVITA' – CAVITY
CE.015.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN s.r.l. HYDRAULIC VALVES AND INTEGRATED COMPONENTS ITALY

VNR–CS–78UNF



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR–CS–78UNF– ✱	007

Inizio apertura ✱ *Cracking pressure*	
1 bar	
Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar	
Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3			0		0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

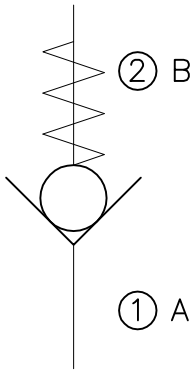
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–CS–M22x1.5

SCHEMA DI FUNZIONAMENTO



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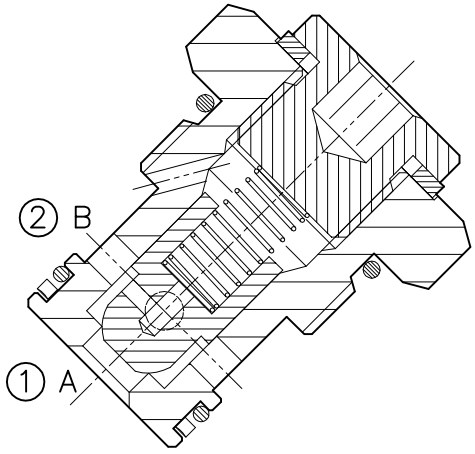
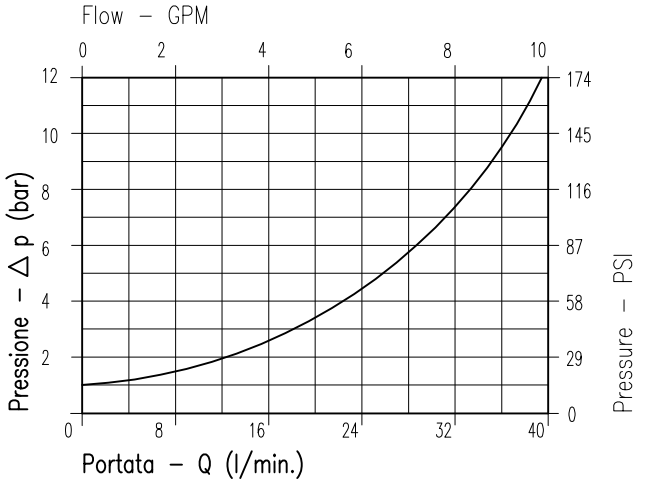


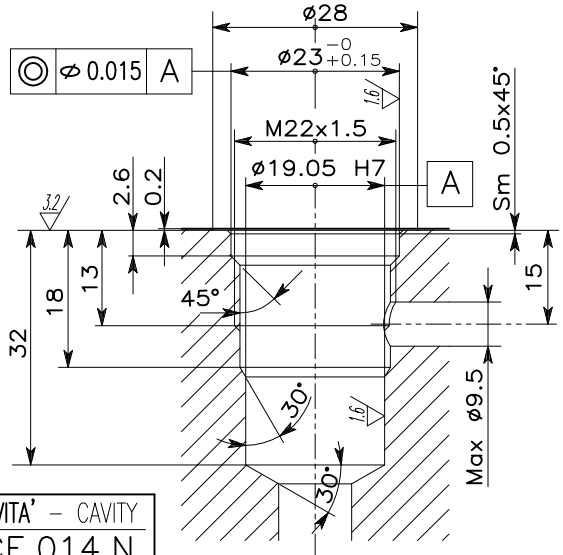
CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	6
Portata min/max *Min/max flow–rate*	l/min–GPM	1/30 – 0.26/7.9
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	75–87
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

NOTE:

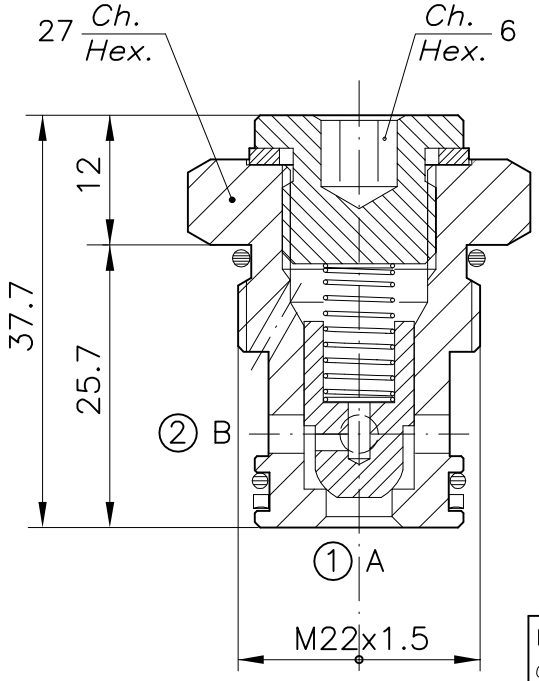


CAVITA' – CAVITY
CE.014.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–CS–M22x1.5–...



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR–CS–22x1.5–✱	034

Inizio apertura ✱ *Cracking pressure*	
1 bar	J
Molla (Colore nero) *Spring (Colour black)*	
6÷8 bar	W
Molla (Colore giallo) *Spring (Colour yellow)*	

0	0	3		0		0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

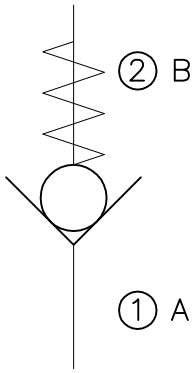
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

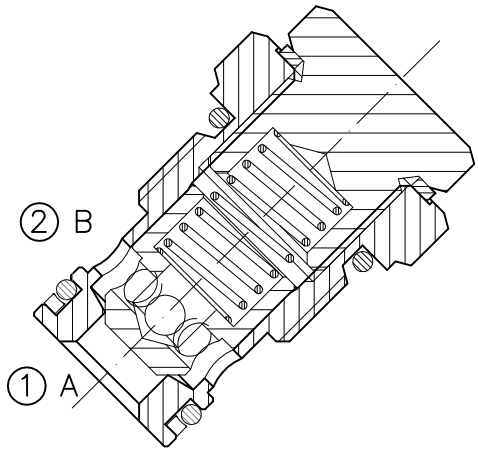
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–12–34

SCHEMA DI FUNZIONAMENTO

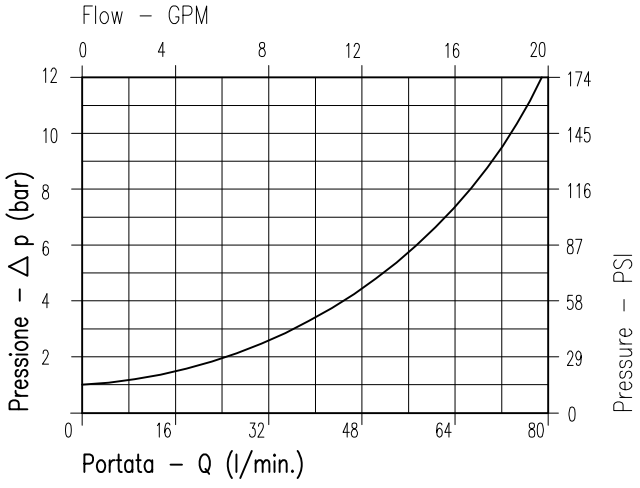


CRITERI PROGETTUALI

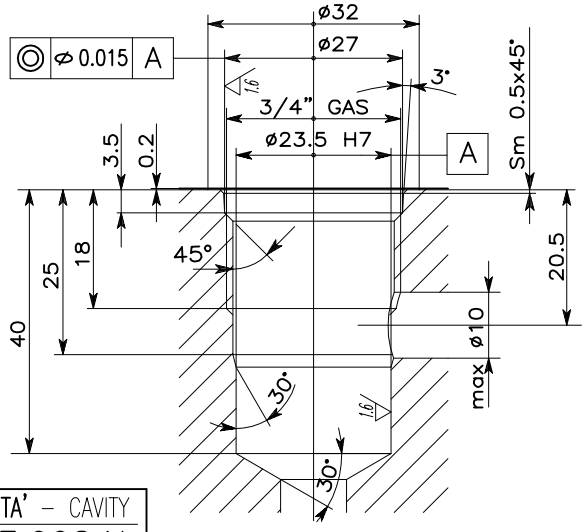


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	11
Portata min/max *Min/max flow–rate*	l/min–GPM	1/80 – 0.26/21.1
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	145–158
Peso *Weight*	Kg	.



Viscosita' olio 4°E a 50°C
Oil viscosity 46 cSt at 50 °C

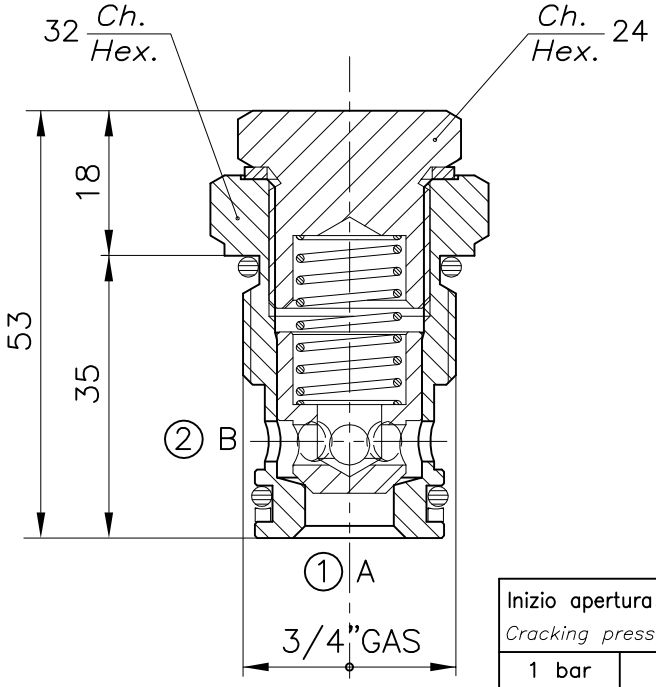


CAVITA' – CAVITY
CE.008.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN s.r.l. HYDRAULIC VALVES AND INTEGRATED COMPONENTS ITALY

VNR–C–12–34



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR–C–12–34–✱	035

Inizio apertura ✱ *Cracking pressure*	
1 bar — Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar — Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3			0		0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

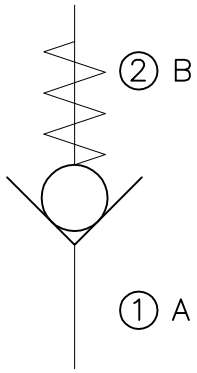
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

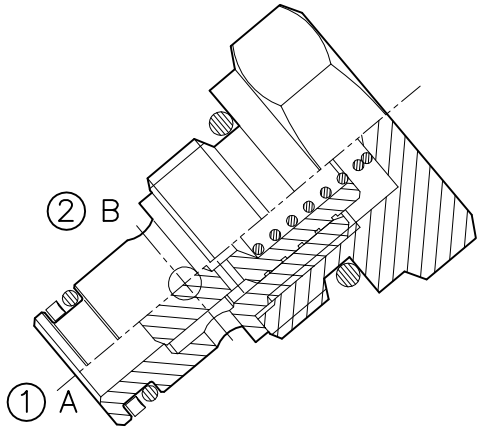
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–40–011N–34UNF–...

SCHEMA DI FUNZIONAMENTO

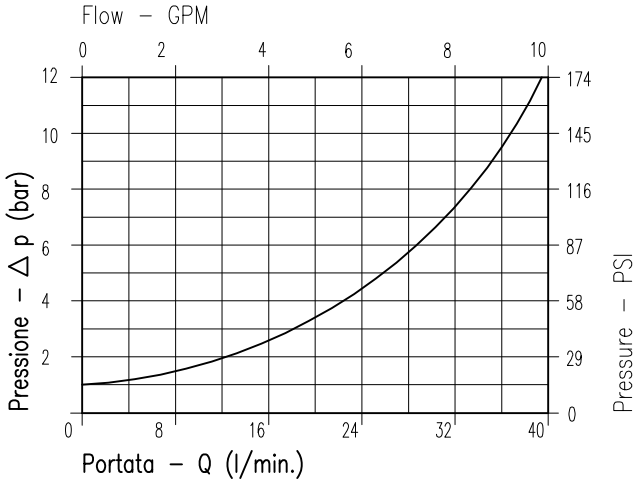


CRITERI PROGETTUALI



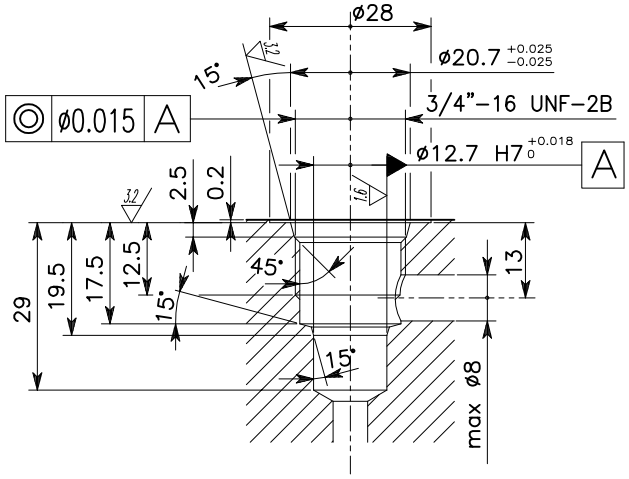
CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	7
Portata min/max *Min/max flow–rate*	l/min–GPM	1/40 – 0.26/10.6
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	75–87
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

NOTE:

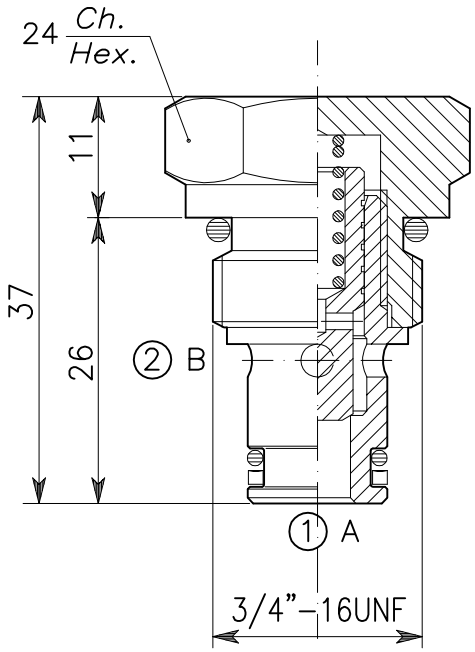


CAVITA' – CAVITY
CE.011.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-C-40-011N-34UNF-...



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR-C-40-011N-34UNF- ✱	014

Inizio apertura ✱ *Cracking pressure*	
1 bar Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3			0		0

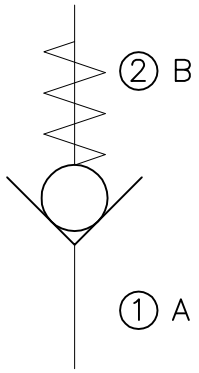
CODICE ORDINAZIONE
ORDERING CODE

VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, CON OTTURATORE A SFERA. SERIE "VNR"

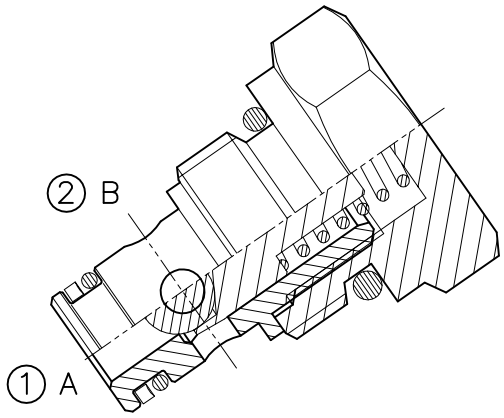
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-C-40-011N-34UNF-SF-...

SCHEMA DI FUNZIONAMENTO

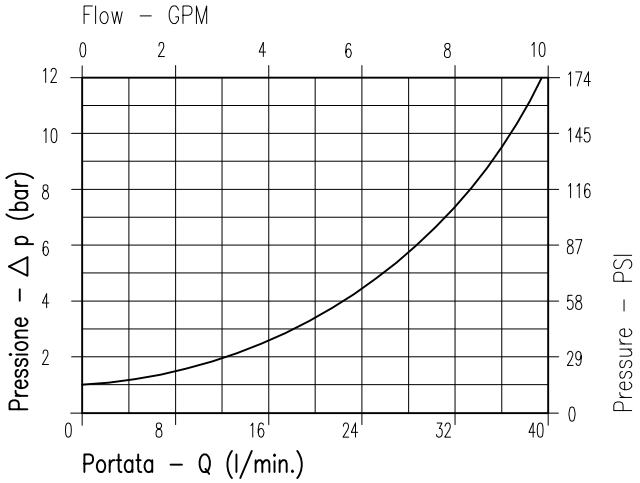


CRITERI PROGETTUALI



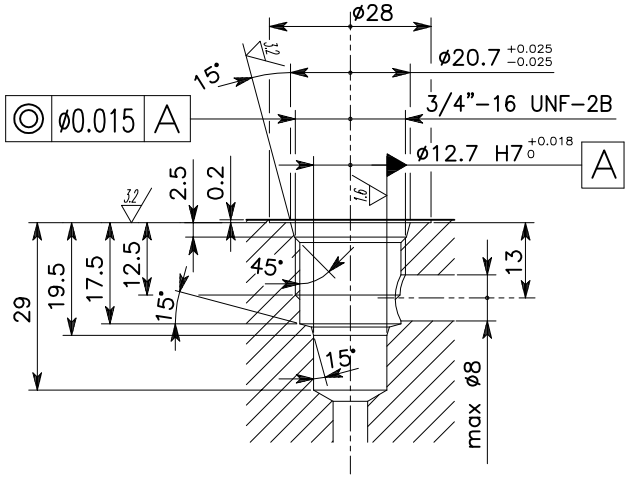
CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	6
Portata min/max *Min/max flow-rate*	l/min-GPM	1/40 - 0.26/10.6
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	-30 +50
Temperatura olio *Oil temperature*	°C	-30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	75-87
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

NOTE:

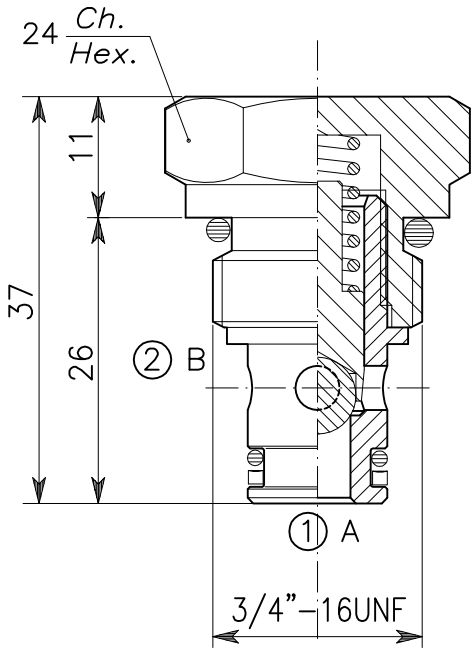


CAVITA' – CAVITY
CE.011.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-C-40-011N-34UNF-SF-...



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR-C-40-011N-34UNF-SF-✱	321

Inizio apertura ✱ *Cracking pressure*	
1 bar Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3			0		0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

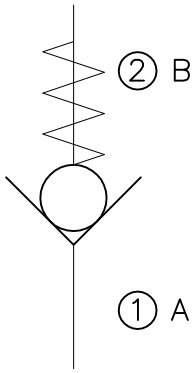
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

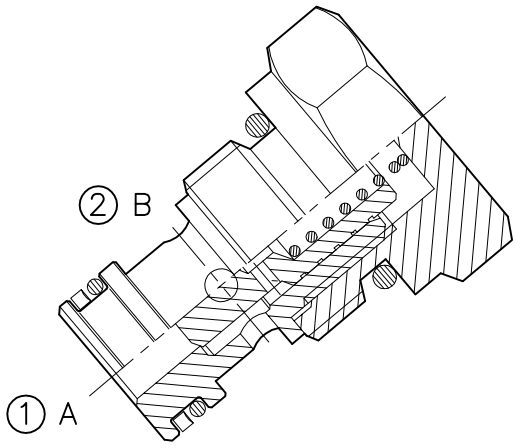
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–40–101L–34UNF–...

SCHEMA DI FUNZIONAMENTO

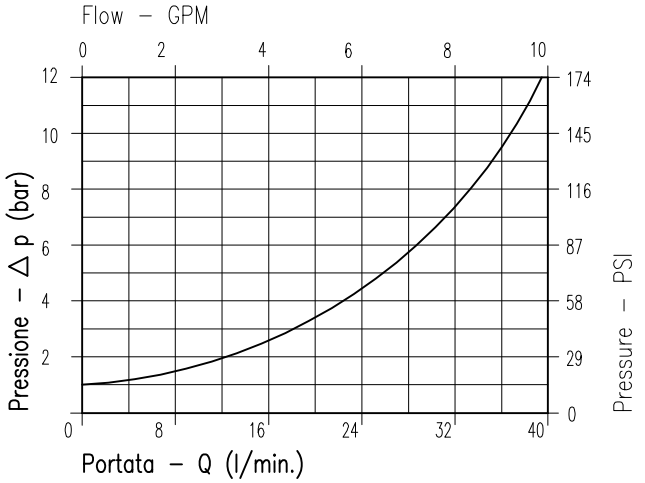


CRITERI PROGETTUALI



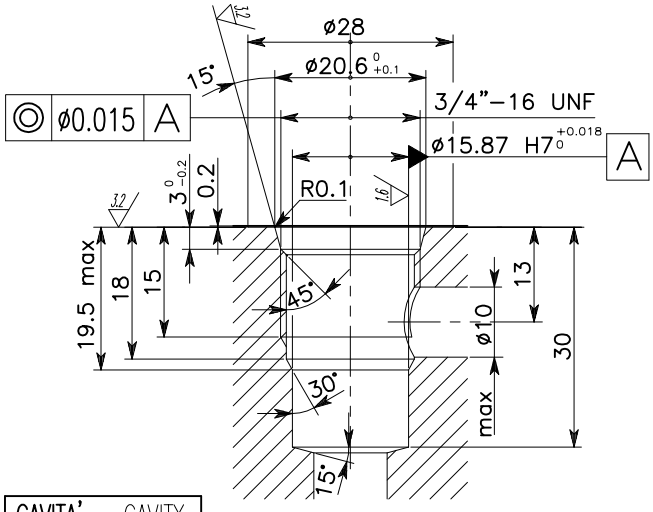
CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	7
Portata min/max *Min/max flow–rate*	l/min–GPM	1/40 – 0.26/10.6
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	75–87
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

NOTE:

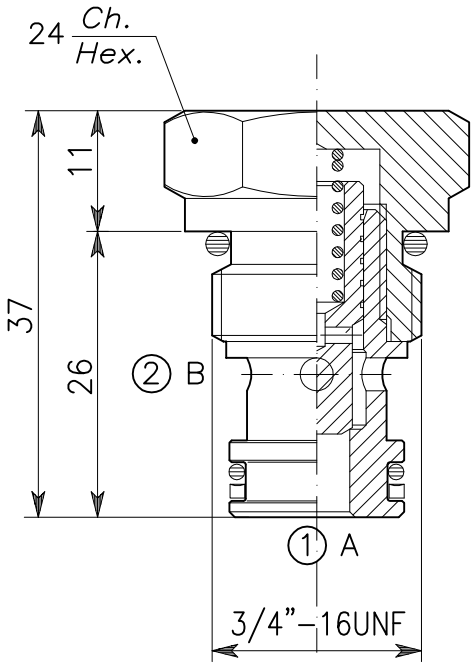


CAVITA' – CAVITY
CE.101.L

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-C-40-101L-34UNF-...



Inizio apertura ✱ Cracking pressure	
1 bar – Molla (Colore nero) Spring (Colour black)	J
6÷8 bar – Molla (Colore giallo) Spring (Colour yellow)	W

SIGLA VALVOLA VALVE CODE	Numero Valvola Valve Number
VNR-C-40-101L-34UNF- ✱	015

0	0	3		0	0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

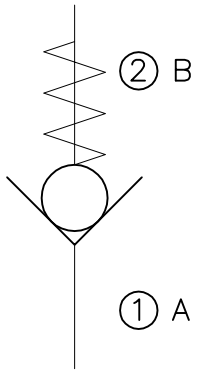
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

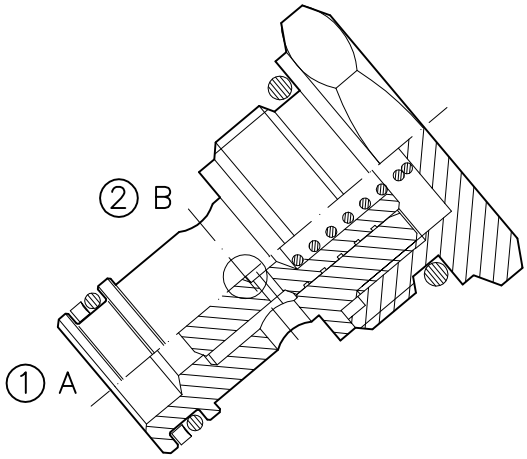
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–50–020N–78UNF–...

SCHEMA DI FUNZIONAMENTO

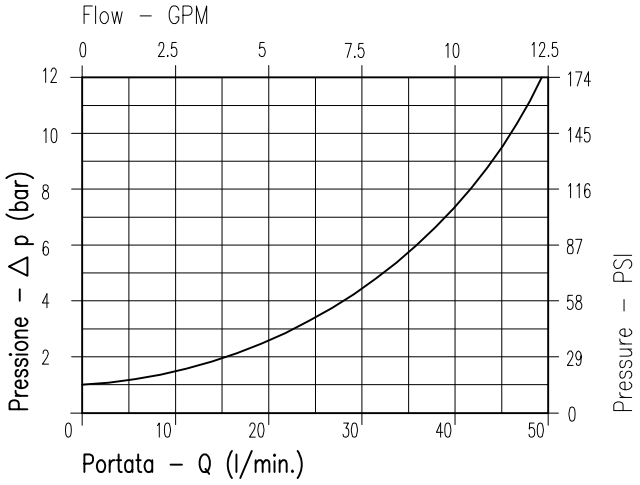


CRITERI PROGETTUALI

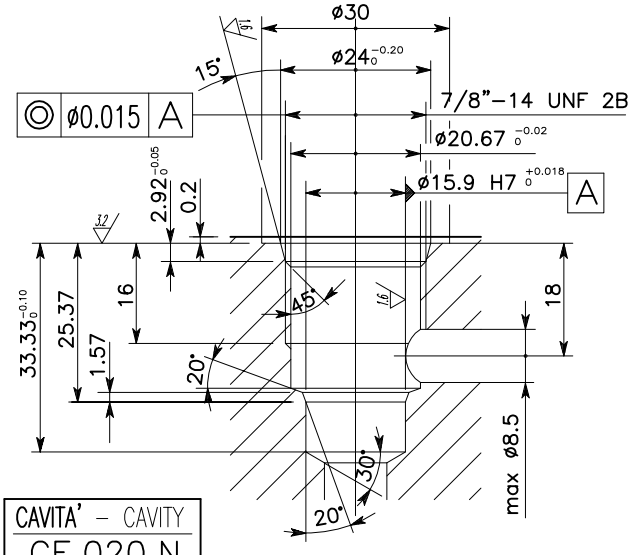


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	7
Portata min/max *Min/max flow–rate*	l/min–GPM	1/50 – 0.26/13.2
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	75–87
Peso *Weight*	Kg	.



Viscosita' olio 4°E a 50°C
Oil viscosity 46 cSt at 50 °C

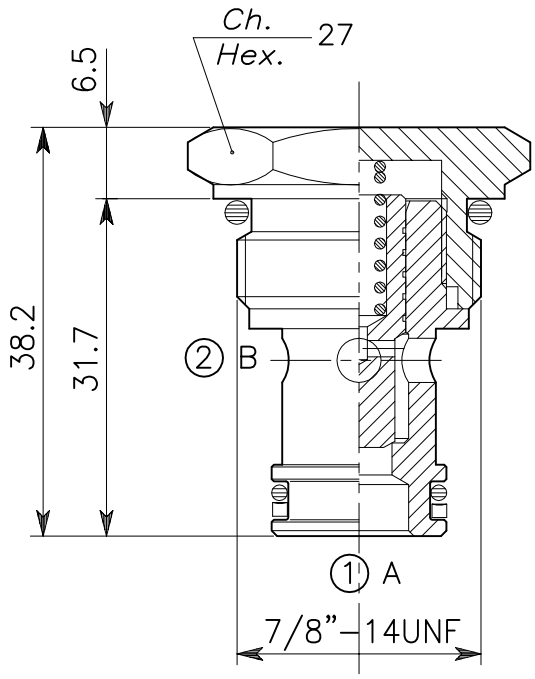


CAVITA' – CAVITY
CE.020.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-C-50-020N-78UNF-...



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR-C-50-020N-78UNF- ✱	012

Inizio apertura ✱ *Cracking pressure*	
1 bar Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3			0		0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

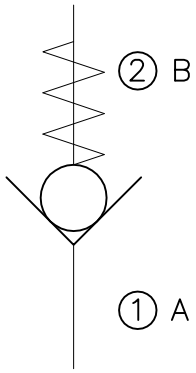
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA.

SERIE "VNR"

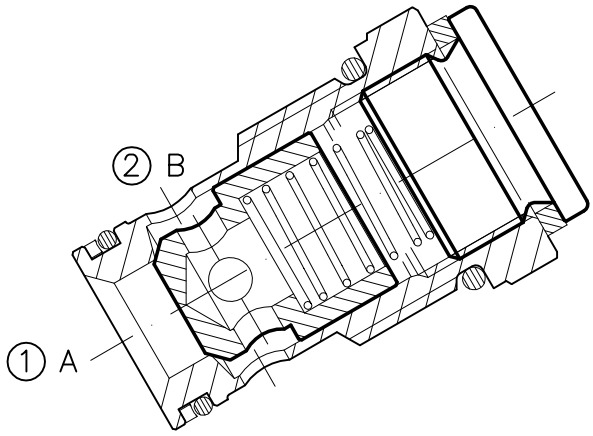
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–34–100–...

SCHEMA DI FUNZIONAMENTO

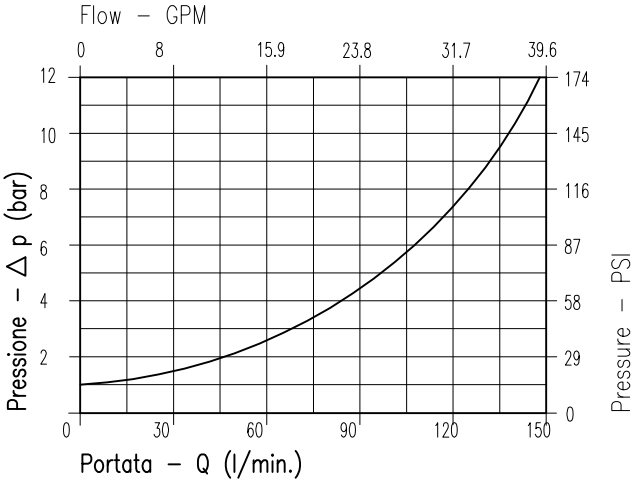


CRITERI PROGETTUALI

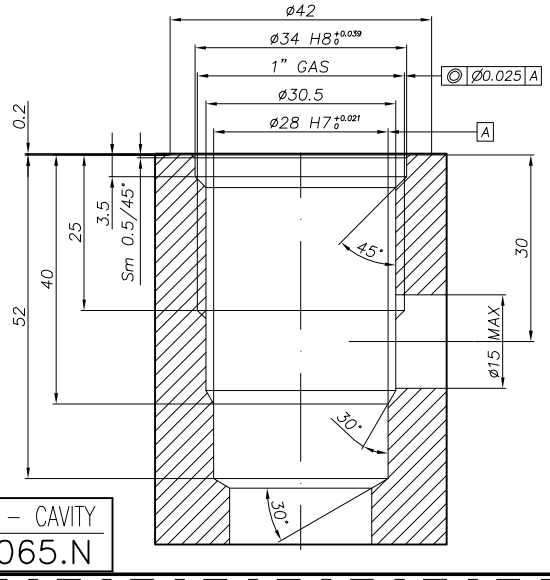


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	16
Portata min/max *Min/max flow–rate*	l/min–GPM	1/150 – 0.26/39.6
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	145–158
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

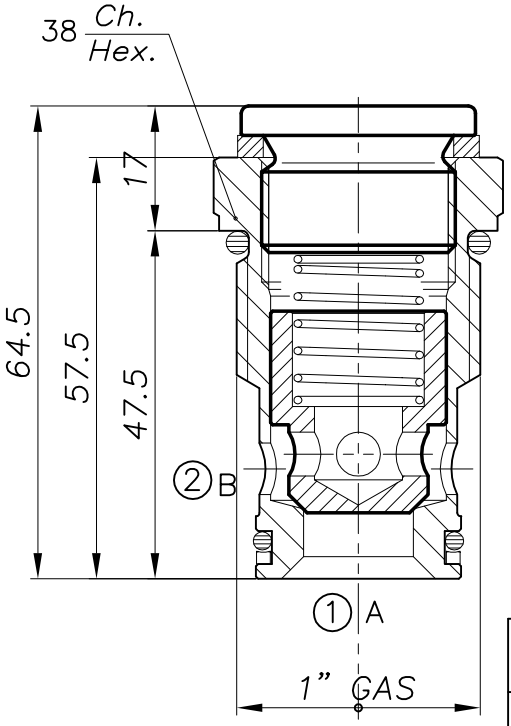


CAVITA' – CAVITY
CE.065.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–34–100–...



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR–C–34–100–✱	155

Inizio apertura ✱ *Cracking pressure*	
1 bar	J
Molla (Colore nero) *Spring (Colour black)*	
6÷8 bar	W
Molla (Colore giallo) *Spring (Colour yellow)*	

0	0	3		0	0

CODICE ORDINAZIONE
ORDERING CODE

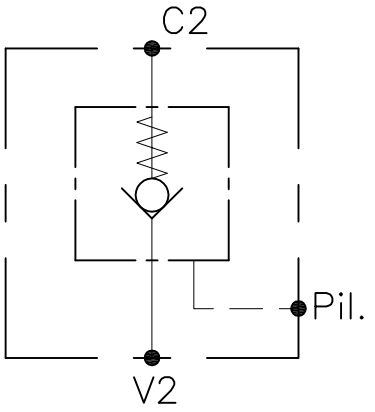
ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A SEMPLICE EFFETTO, PILOTATA. SERIE "VNR"

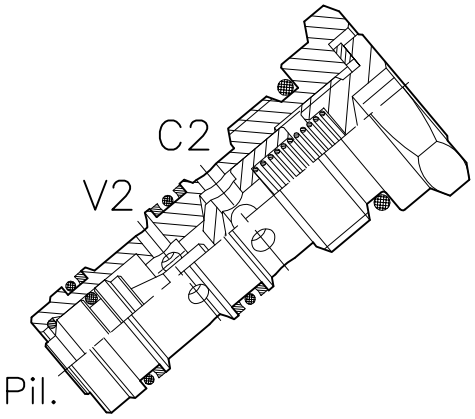
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–SO–SE–50–SP–...

SCHEMA DI FUNZIONAMENTO

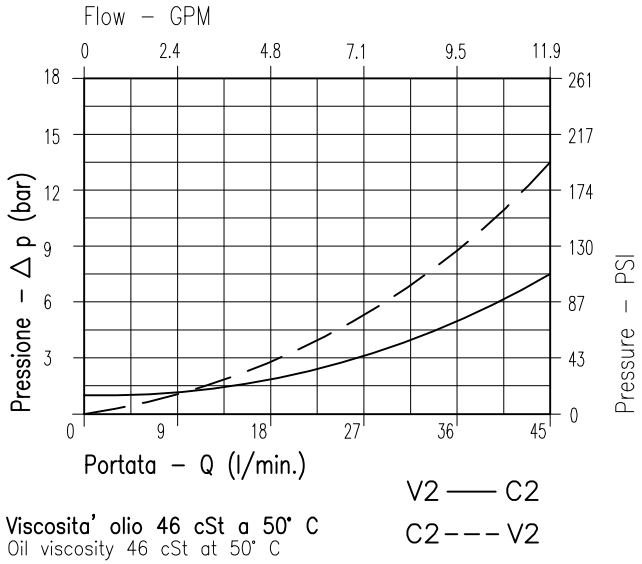


CRITERI PROGETTUALI

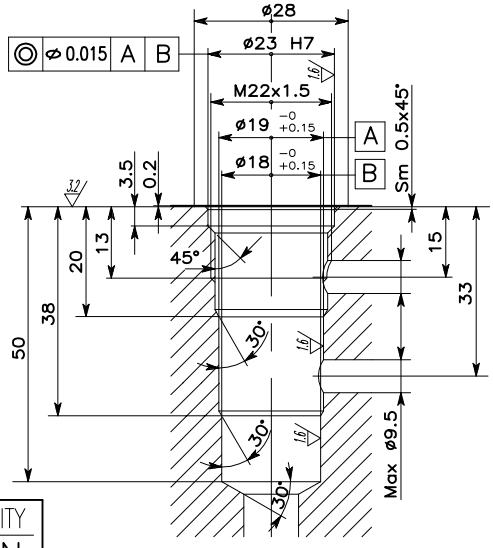


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	7
Portata min/max *Min/max flow–rate*	l/min–GPM	1/50 – 0.26/13.2
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Rapporto di pilotaggio *Pilot ratio*		3 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	50–59
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C

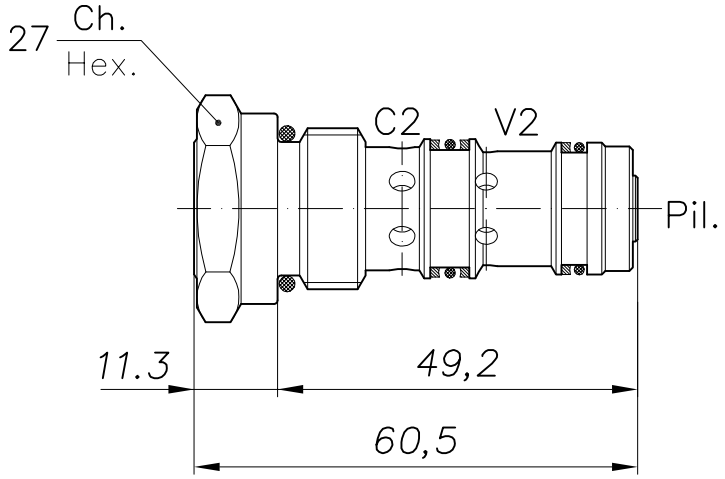


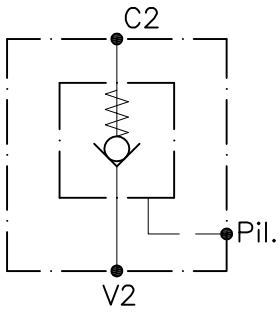
CAVITA' – CAVITY
CE.017.N

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN *HYDRAULIC VALVES AND INTEGRATED COMPONENTS* s.r.l. *ITALY*

VNR–C–SO–SE–50–SP–...





Inizio apertura ✱ *Cracking pressure*	
1 bar Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar Molla (Colore giallo) *Spring (Colour yellow)*	W

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR–C–SO–SE–50–SP– ✱	265

0	0	3		0	0

CODICE ORDINAZIONE
ORDERING CODE

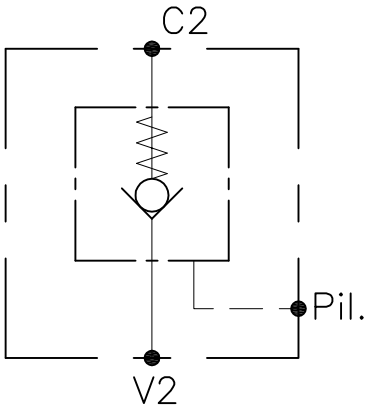
ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A SEMPLICE EFFETTO, PILOTATA. SERIE "VNR"

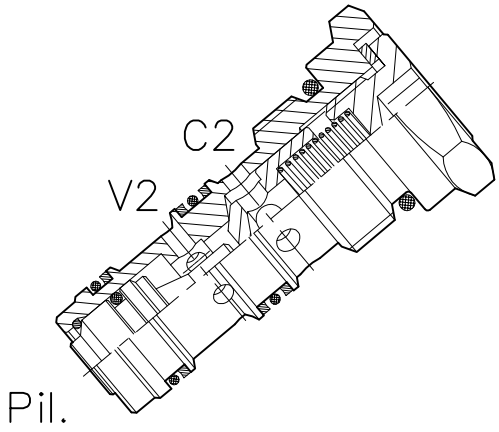
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–SE–071N–78UNF–...

SCHEMA DI FUNZIONAMENTO

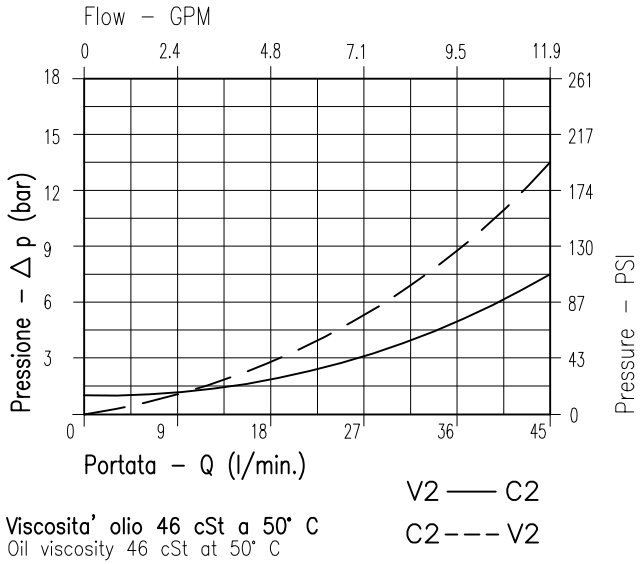


CRITERI PROGETTUALI

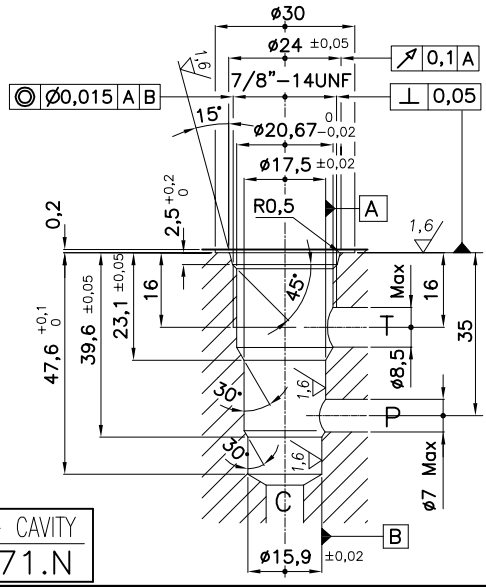


CARATTERISTICHE – *PERFORMANCES*

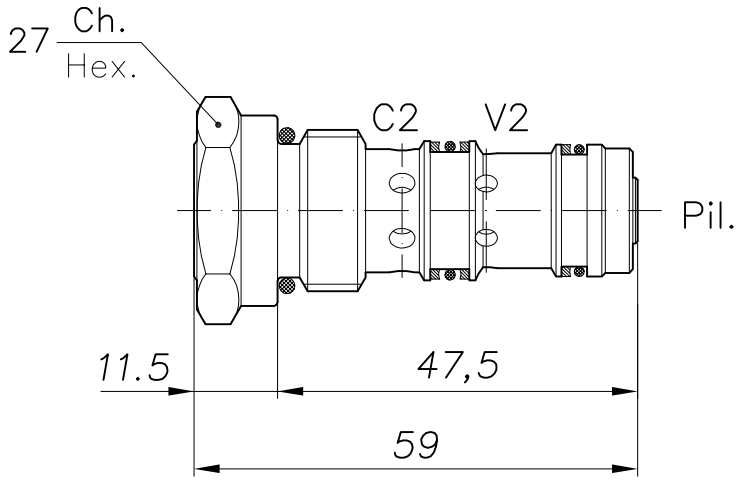
Luce nominale *Rated size*	DN	7
Portata min/max *Min/max flow–rate*	l/min–GPM	1/50 – 0.26/13.2
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Rapporto di pilotaggio *Pilot ratio*		3 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	50–59
Peso *Weight*	Kg	.

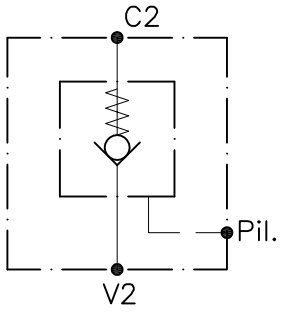


Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C



CAVITA' – CAVITY
CE.071.N





SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*
VNR–C–SE–071N–78UNF–✱	335

Inizio apertura ✱ *Cracking pressure*	
1 bar Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3		0	0

CODICE ORDINAZIONE
ORDERING CODE

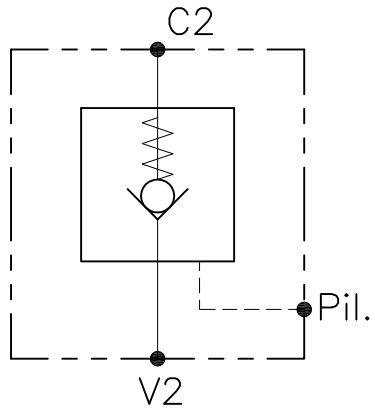
ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A SEMPLICE EFFETTO, PILOTATA, CON COLLETTORE A SEMPLICE EFFETTO.
SERIE "VNR"

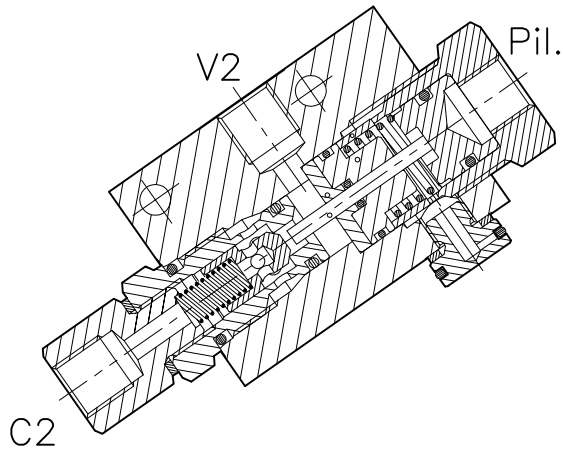
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–SO–SE–PS–...–...

SCHEMA DI FUNZIONAMENTO

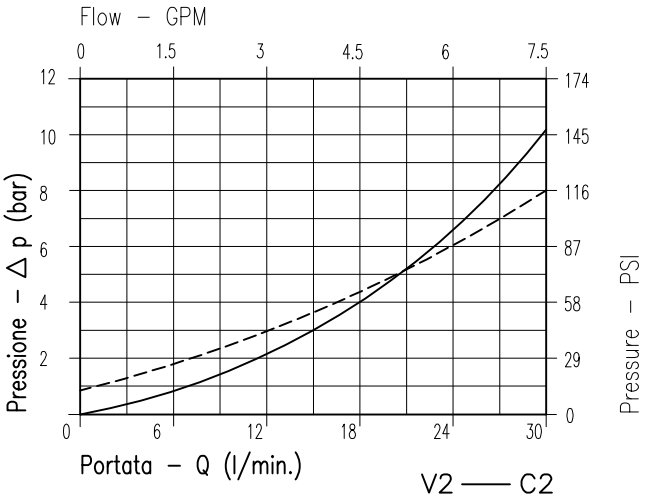


CRITERI PROGETTUALI



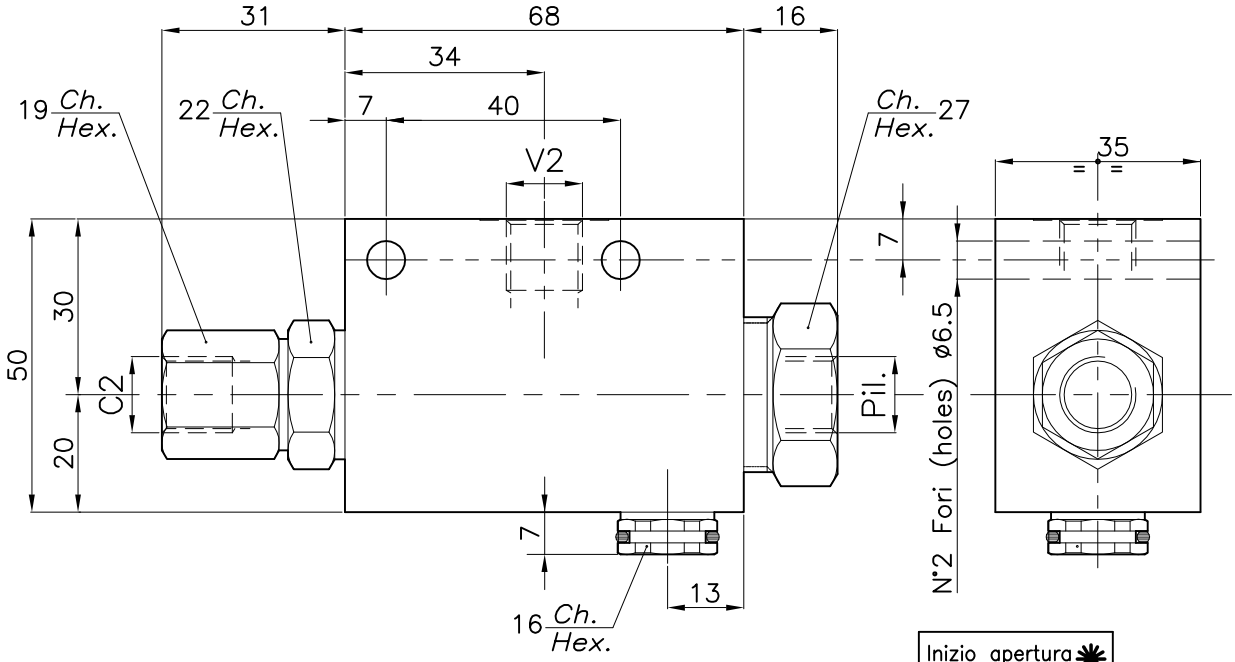
CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	6
Portata min/max *Min/max flow–rate*	l/min–GPM	1/30 – 0.26/7.9
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		10 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	50 ÷ 59
Peso *Weight*	Kg	.



Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C

NOTE:



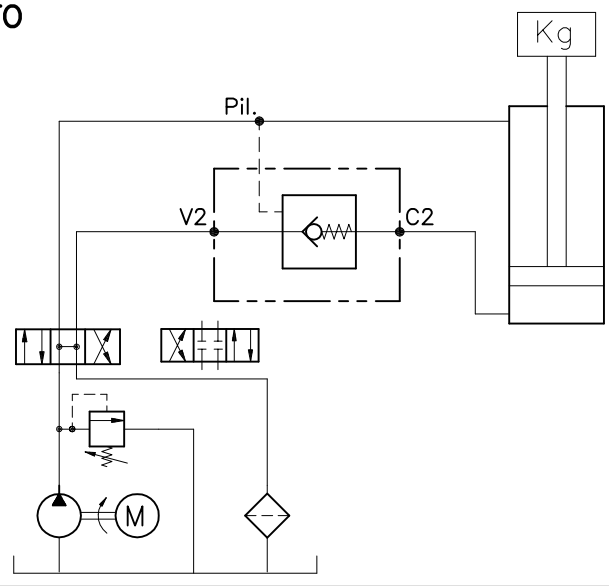
SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	Attacchi *Port size* V2-C2 Pil. GAS *(BSPP)*
VNR-SO-SE-PS-14-✱	157	1/4"
VNR-SO-SE-PS-38-✱	158	3/8"

Inizio apertura ✱ *Cracking pressure*	
1 bar	
Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar	
Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3			0		0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

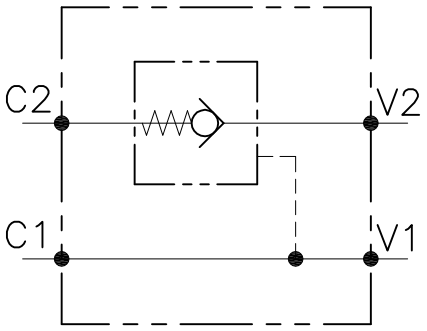


VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A SEMPLICE EFFETTO, PILOTATA, CON COLLETTORE A SEMPLICE EFFETTO. SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–SO–SE–...–...

SCHEMA DI FUNZIONAMENTO



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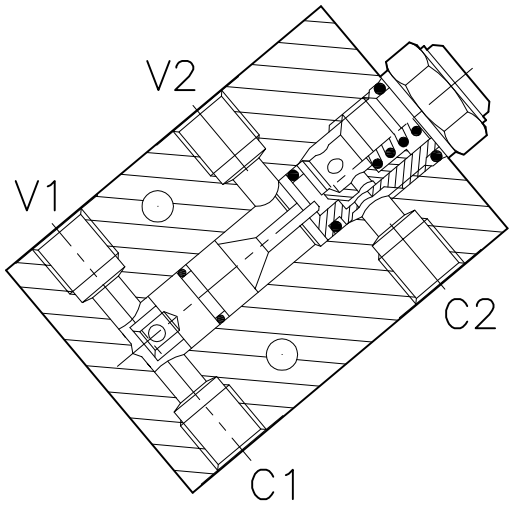
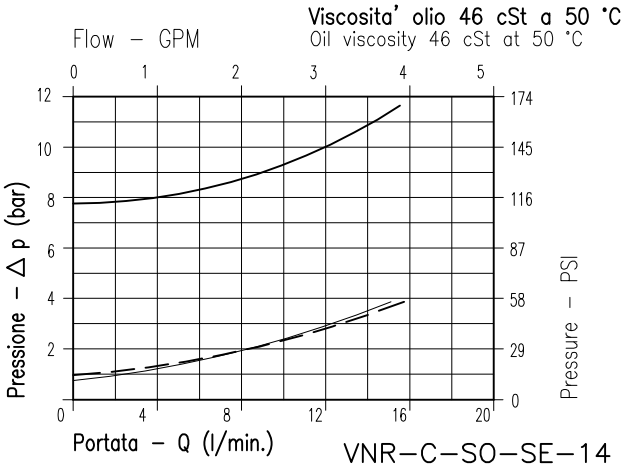


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	Vedi Pag.04
Portata min/max *Min/max flow–rate*	l/min–GPM	Vedi Pag.04
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		4 ÷ 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

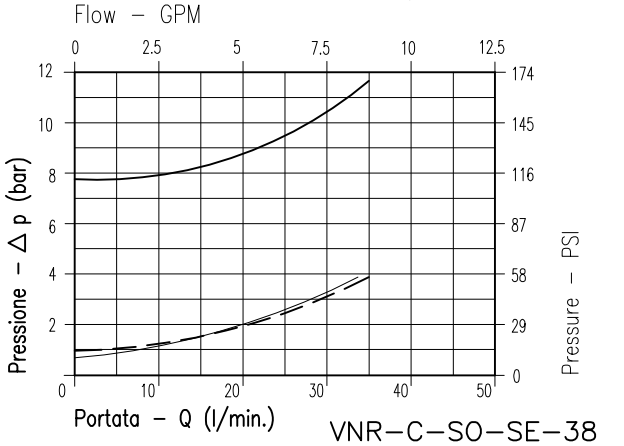
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



VNR–C–SO–SE–14
VNR–C–SO–SE–16

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

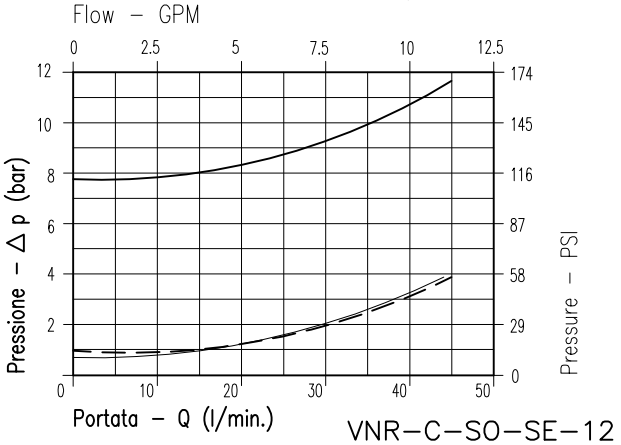
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



VNR–C–SO–SE–38

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



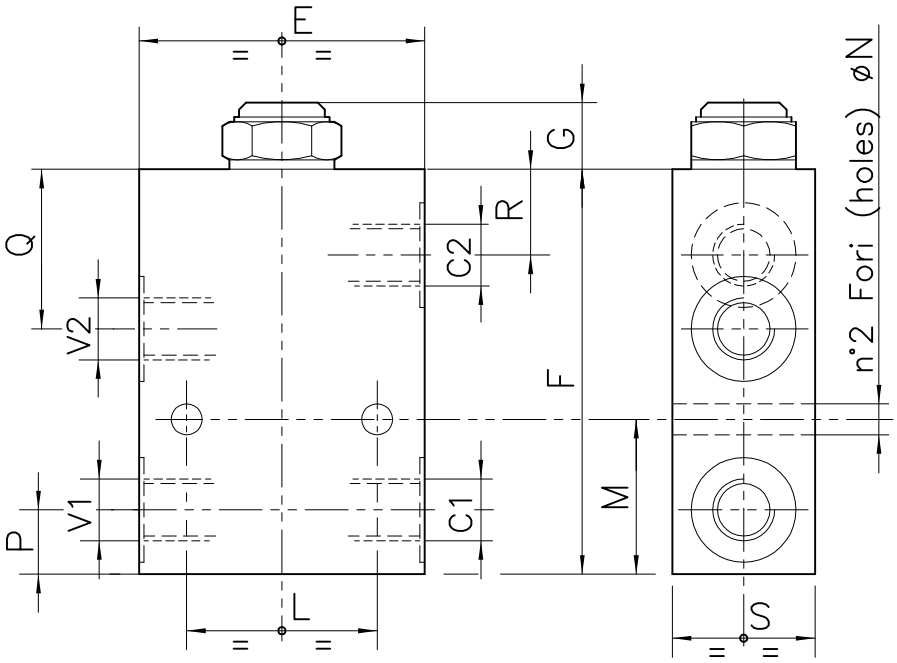
VNR–C–SO–SE–12

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

SOLUZIONI DI PRODUZIONE NECESSARIE
PER LA SCELTA DEL PRODOTTO
E RELATIVA DEFINIZIONE DEL
CODICE D'ORDINAZIONE

LUEN s.r.l. — HYDRAULIC VALVES AND INTEGRATED COMPONENTS — ITALY

VNR–C–SO–SE–...–...



Inizio apertura ✳ *Cracking pressure*	
1 bar	
Molla (Colore nero) *Spring (Colour black)*	**J**
6÷8 bar	
Molla (Colore giallo) *Spring (Colour yellow)*	**W**

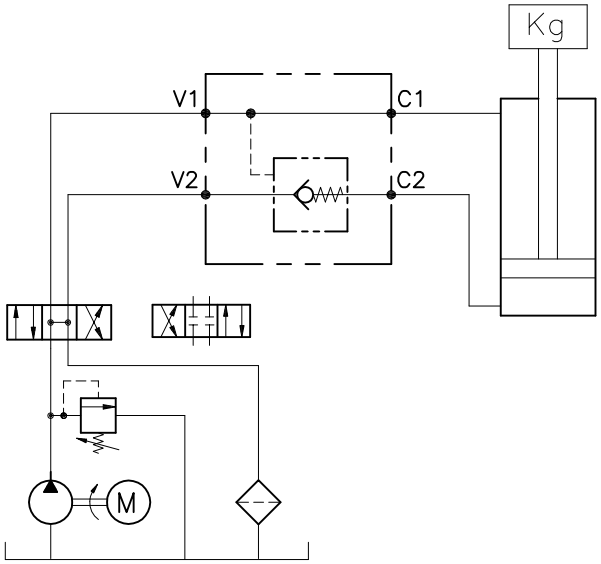
△	
O–RING sul Pist. di pilotaggio *Pilot Piston O–RING*	**A**
Omettere nella sigla valvola *Do not use in valve code*	**Senza O–RING sul Pist. di pilotaggio** *any pilot piston O–RING* — **O**

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	E	F	G	L	M	N	P	Q	R	S	Attacchi *Port size* V2–C2 V1–C1 GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow–rate* l/min– *GPM*
VNR–C–SO–SE–14–△–✳	036	60	85	15	40	32.5	6.5	13.5	33.5	18	30	1/4"	6	15–4
VNR–C–SO–SE–16–△–✳	037											M16x1.5	6	15–4
VNR–C–SO–SE–38–△–✳	038	70	95	18		40	8.5	19	38	20.5	35	3/8"	8	35–9.2
VNR–C–SO–SE–12–△–✳	039											1/2"	10	45–12

0	0	3						0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

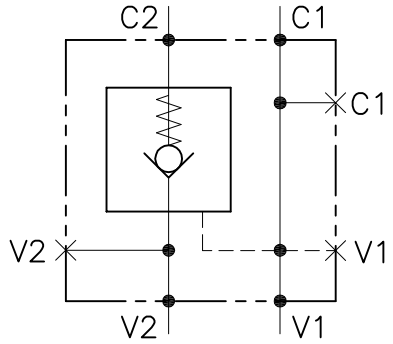


VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A SEMPLICE EFFETTO PILOTATA, CON COLLETTORE, FLANGIATA A BULLONE.

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–SO–SE–50–SP/FCB–...–...

SCHEMA DI FUNZIONAMENTO



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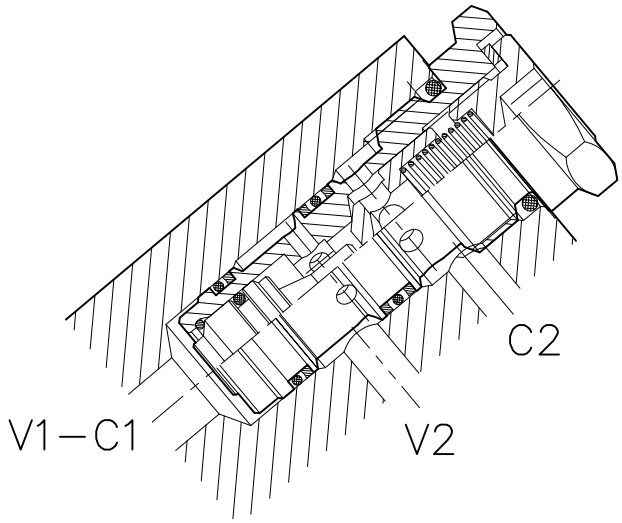
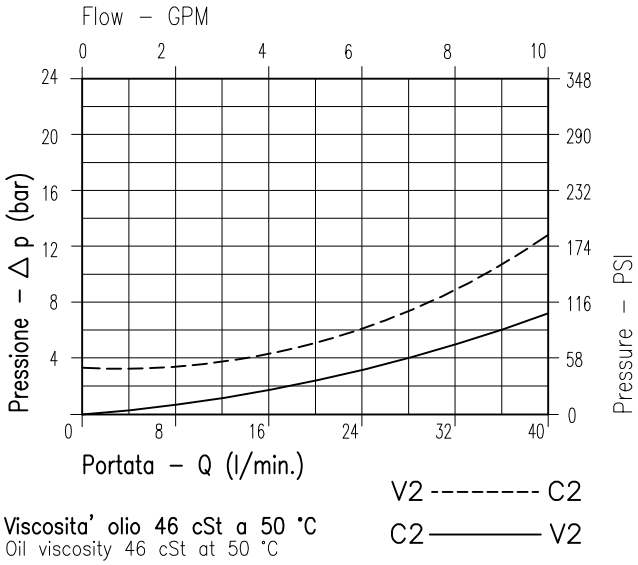


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	7
Portata min/max *Min/max flow–rate*	l/min–GPM	1/40 – 0.26/10.6
Pressione di lavoro max *Max working pressure*		400 bar 5800 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		3 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	Vedi Pag.02
Peso *Weight*	Kg	.



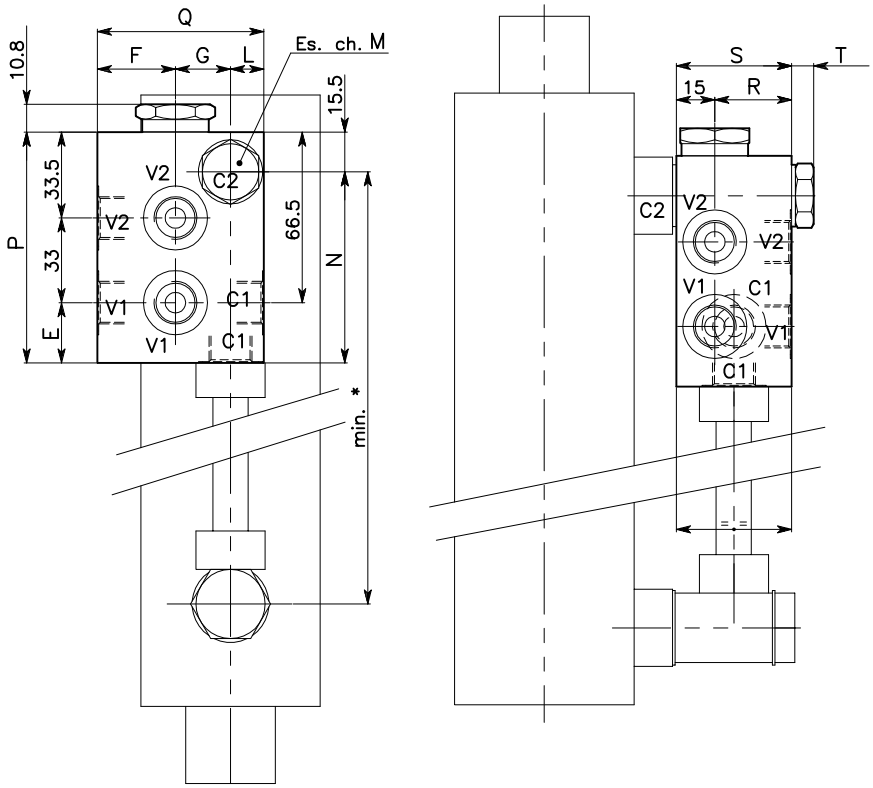
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C

NOTE:

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN s.r.l. — HYDRAULIC VALVES AND INTEGRATED COMPONENTS — ITALY

VNR-C-SO-SE-50-SP-FCB-...-...



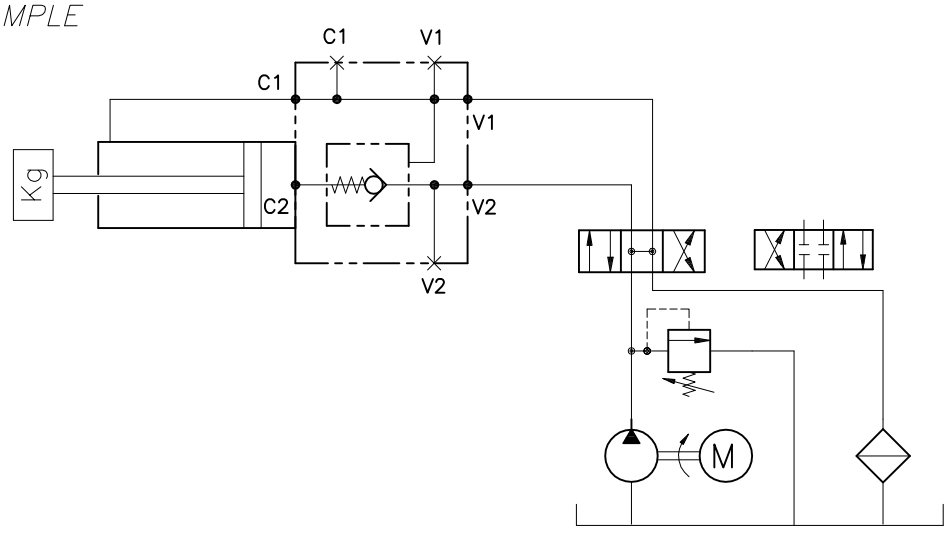
Inizio apertura ✱ *Cracking pressure*	
1 bar — Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar — Molla (Colore giallo) *Spring (Colour yellow)*	W

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	E	F	G	L	M	N	P	Q	R	S	T	Attacchi *Port size* V2–C2 V1–C1 GAS *(BSPP)*	Coppia di serraggio *Tightening torque* Nm
VNR-C-SO-SE-50-SP-FCB-38-✱	233	23.5	30.5	21.5	13	22	74.5	90	65	30	45	9	3/8"	63÷71
VNR-C-SO-SE-50-SP-FCB-12-✱	251	28.5	33	26	16	27	79.5	95	75	35	50	10	1/2"	75÷85

0	0	1				0	0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

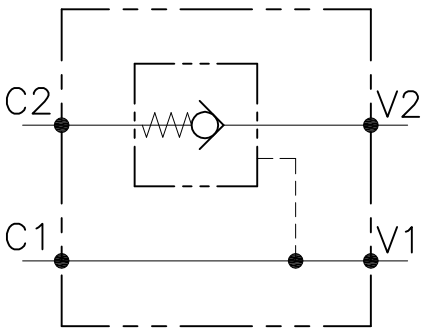


VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A SEMPLICE EFFETTO, PILOTATA, CON COLLETTORE A SEMPLICE EFFETTO FLANGIATO. SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–SO–SE–...–FC1–...

SCHEMA DI FUNZIONAMENTO



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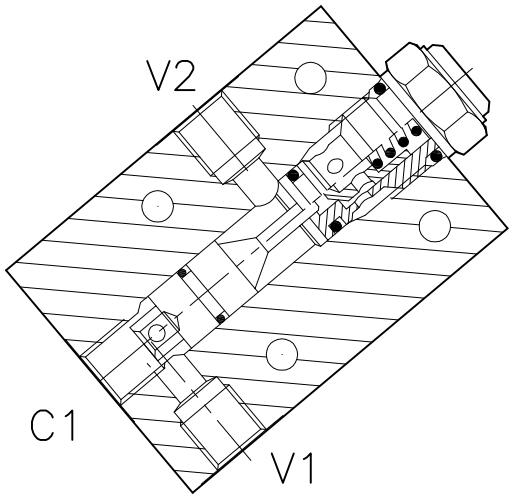
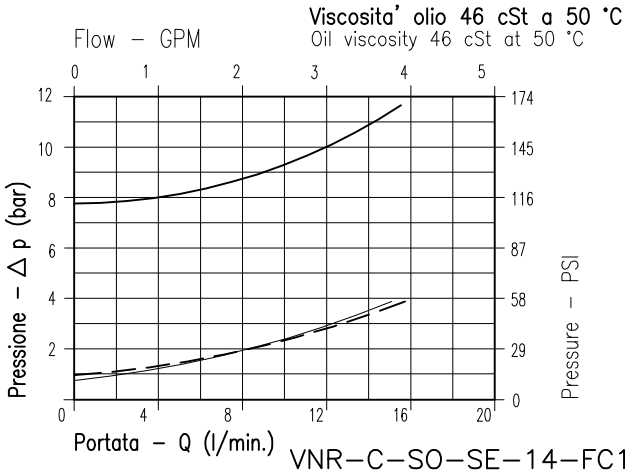


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	Vedi Pag.04
Portata min/max *Min/max flow–rate*	l/min–GPM	Vedi Pag.04
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		4 ÷ 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

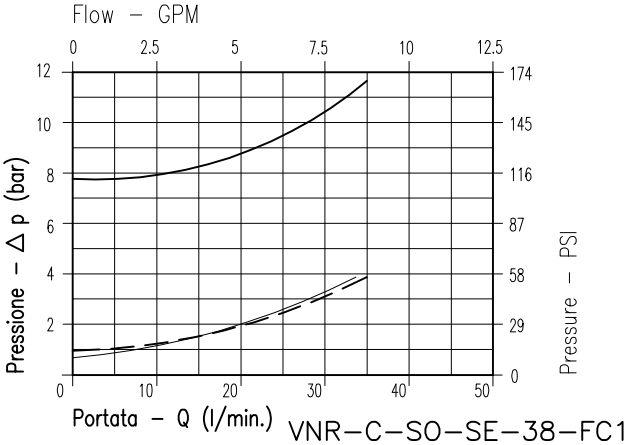
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



VNR–C–SO–SE–14–FC1
VNR–C–SO–SE–16–FC1

——— 8Bar Flusso libero *(Free flow)*
– – – – 1Bar Flusso libero *(Free flow)*
——— Flusso pilotato *(Piloted open)*

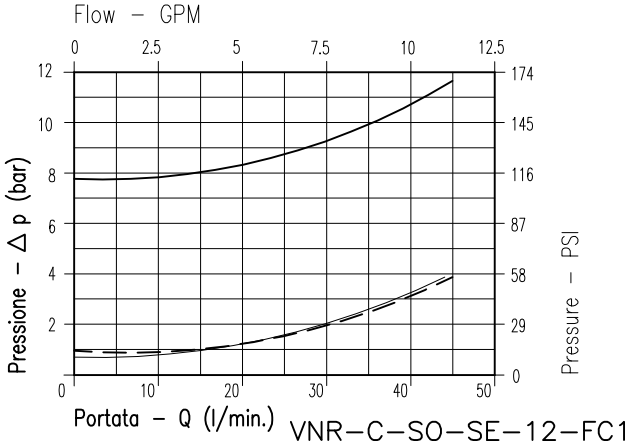
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



VNR–C–SO–SE–38–FC1

——— 8Bar Flusso libero *(Free flow)*
– – – – 1Bar Flusso libero *(Free flow)*
——— Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



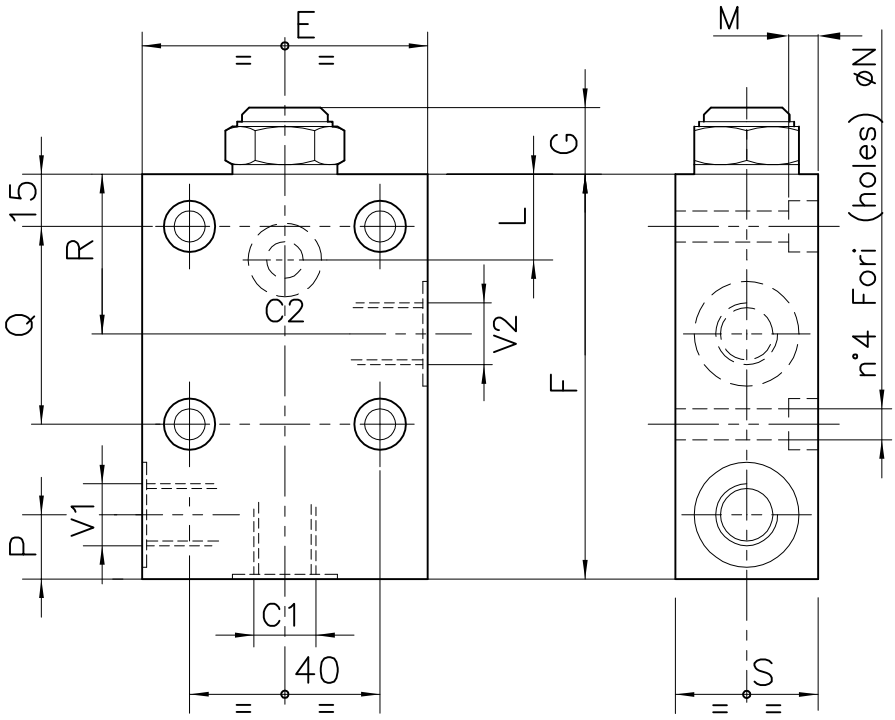
VNR–C–SO–SE–12–FC1

——— 8Bar Flusso libero *(Free flow)*
– – – – 1Bar Flusso libero *(Free flow)*
——— Flusso pilotato *(Piloted open)*

SOLUZIONI DI PRODUZIONE NECESSARIE
PER LA SCELTA DEL PRODOTTO
E RELATIVA DEFINIZIONE DEL
CODICE D'ORDINAZIONE

LUEN s.r.l. — HYDRAULIC VALVES AND INTEGRATED COMPONENTS — ITALY

VNR–C–SO–SE–...–FC1–...



Inizio apertura ✳ *Cracking pressure*	
1 bar — Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar — Molla (Colore giallo) *Spring (Colour yellow)*	W

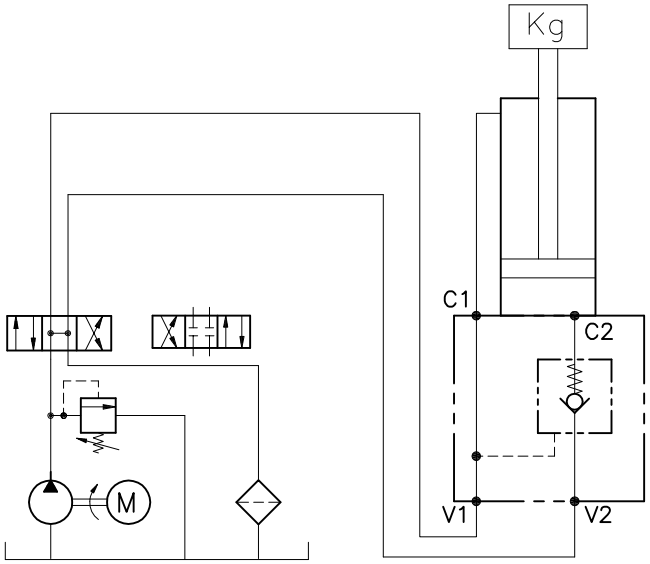
△	
O–RING sul Pist. di pilotaggio *Pilot Piston O–RING*	A
Omettere nella sigla valvola *Do not use in valve code* — Senza O–RING sul Pist. di pilotaggio *any pilot piston O–RING*	O

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	E	F	G	L	M	N	P	Q	R	S	Attacchi *Port size* V2–C2 V1–C1 GAS (BSPP)	Luce nominale *Rated size* DN	Portata max *Max flow–rate* l/min– *GPM*
VNR–C–SO–SE–14–FC1–△–✳	040	60	85	15	19	6	6.5	13.5	37.5	18	30	1/4"	6	15–*4*
VNR–C–SO–SE–16–FC1–△–✳	041											M16x1.5	6	15–*4*
VNR–C–SO–SE–38–FC1–△–✳	042	70	95	18	20.5	3	8.5	19	40	20.5	35	3/8"	8	35–*9.2*
VNR–C–SO–SE–12–FC1–△–✳	043											1/2"	10	45–*12*

0	0	3						0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE



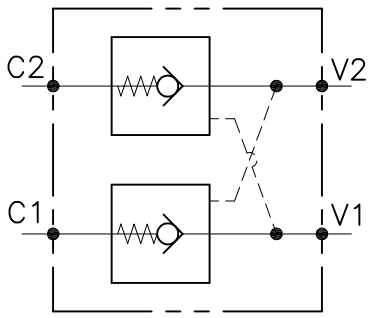
VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A DOPPIO EFFETTO, PILOTATA, CON COLLETTORE.

SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–C–SO–DE–...–...

SCHEMA DI FUNZIONAMENTO



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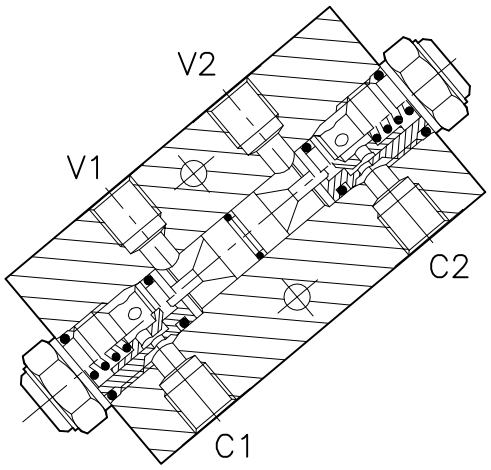
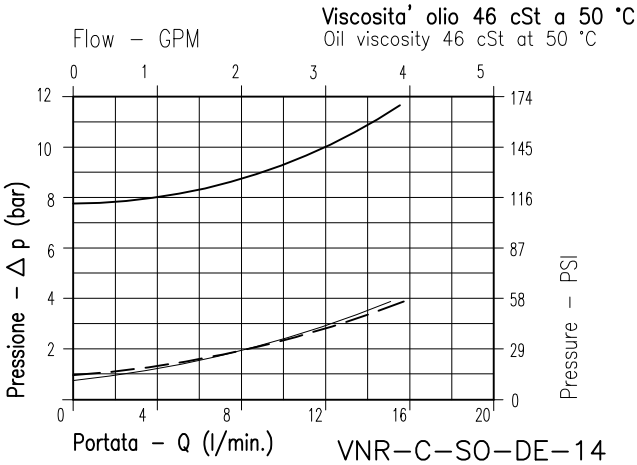


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	Vedi Pag.02
Portata min/max *Min/max flow–rate*	l/min–GPM	Vedi Pag.02
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		4 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

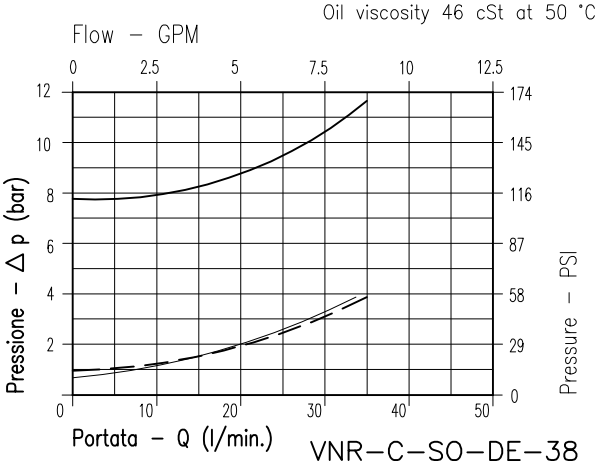
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



VNR–C–SO–DE–14
VNR–C–SO–DE–16

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

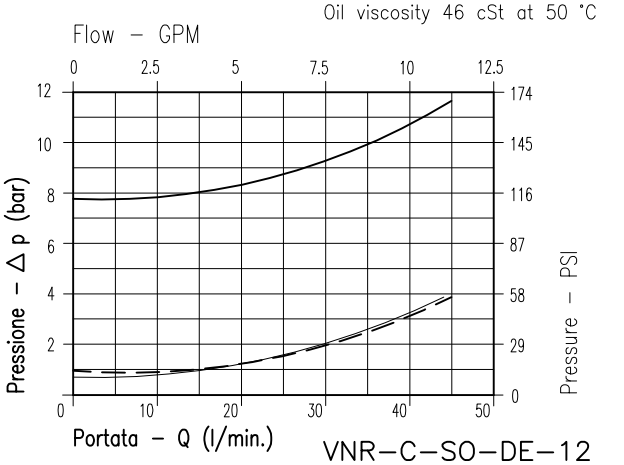
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



VNR–C–SO–DE–38

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



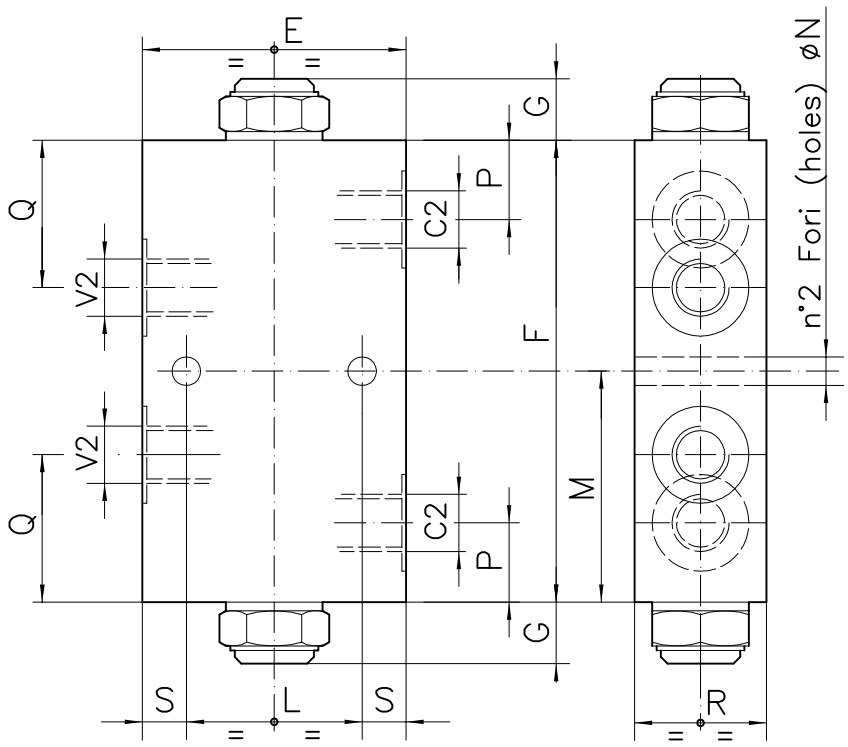
VNR–C–SO–DE–12

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN s.r.l. — HYDRAULIC VALVES AND INTEGRATED COMPONENTS — ITALY

VNR–C–SO–DE–...–...



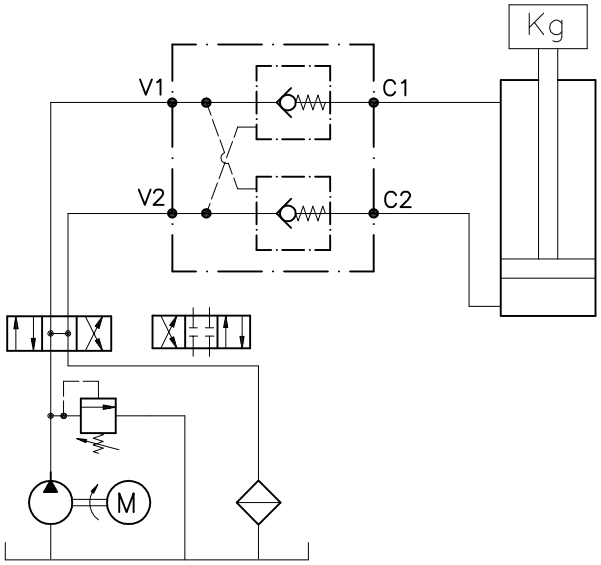
Inizio apertura ✱ *Cracking pressure*	
1 bar — Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar — Molla (Colore giallo) *Spring (Colour yellow)*	W

△	
O–RING sul Pist. di pilotaggio *Pilot Piston O–RING*	A
Omettere nella sigla valvola *Do not use in valve code* — Senza O–RING sul Pist. di pilotaggio *any pilot piston O–RING*	O

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	E	F	G	L	M	N	P	Q	R	S	Attacchi *Port size* V2–C2 V1–C1 GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow–rate* l/min– *GPM*
VNR–C–SO–DE–14–△–✱	047	60	105	15	40	52.5	6.5	18	33.5	30	10	1/4"	6	15–*4*
VNR–C–SO–DE–16–△–✱	048											M16x1.5		
VNR–C–SO–DE–38–△–✱	049	70	110	18		55	8.5	20.5	38	35	15	3/8"	8	35–*9.2*
VNR–C–SO–DE–12–△–✱	050											1/2"	10	45–*12*

0	0	3						0
CODICE ORDINAZIONE *ORDERING CODE*								

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

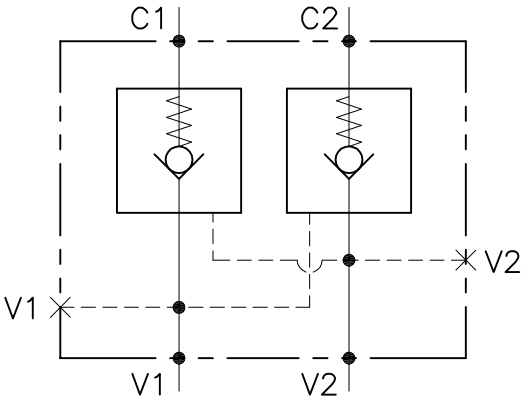


VALVOLA DI RITEGNO UNIDIREZIONALE A CARTUCCIA, A DOPPIO EFFETTO PILOTATA, CON COLLETTORE, FLANGIATA A BULLONE.

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-C-SO-DE-50-SP/FCB-...-...

SCHEMA DI FUNZIONAMENTO



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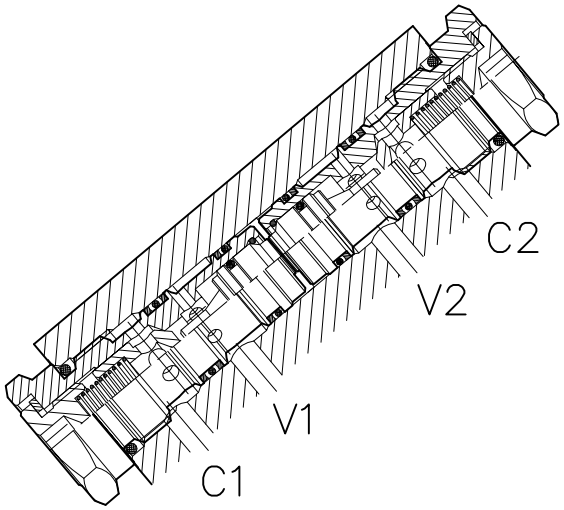
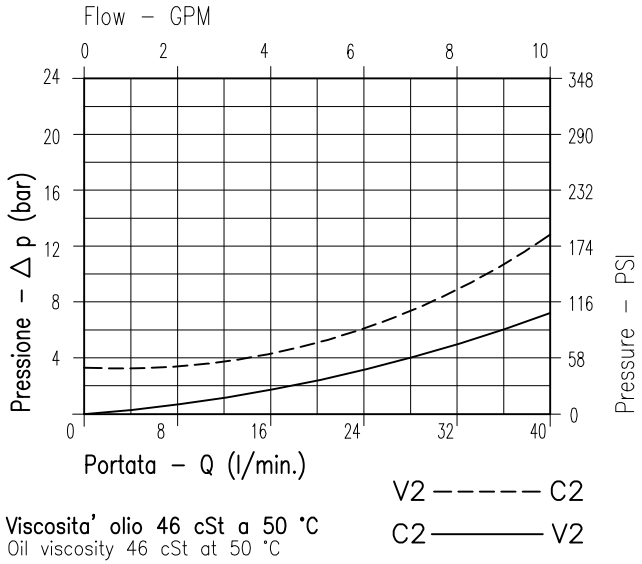


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	7
Portata min/max *Min/max flow-rate*	l/min-GPM	1/40 – 0.26/10.6
Pressione di lavoro max *Max working pressure*		400 bar 5800 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		3 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	Vedi Pag.02
Peso *Weight*	Kg	.



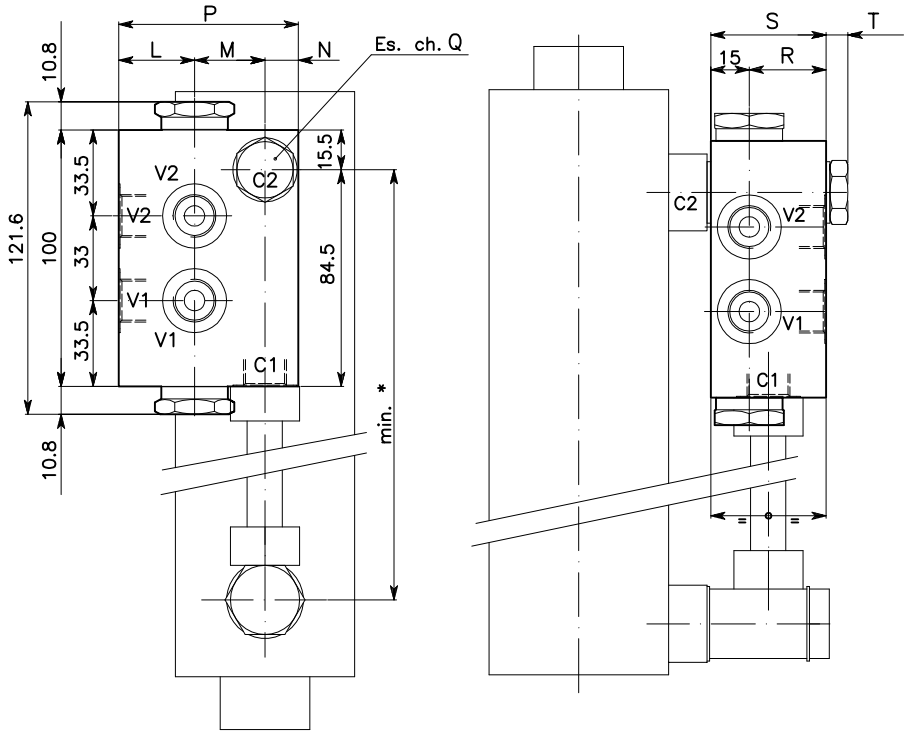
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C

NOTE:

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-C-SO-DE-50-SP-FCB-...-...



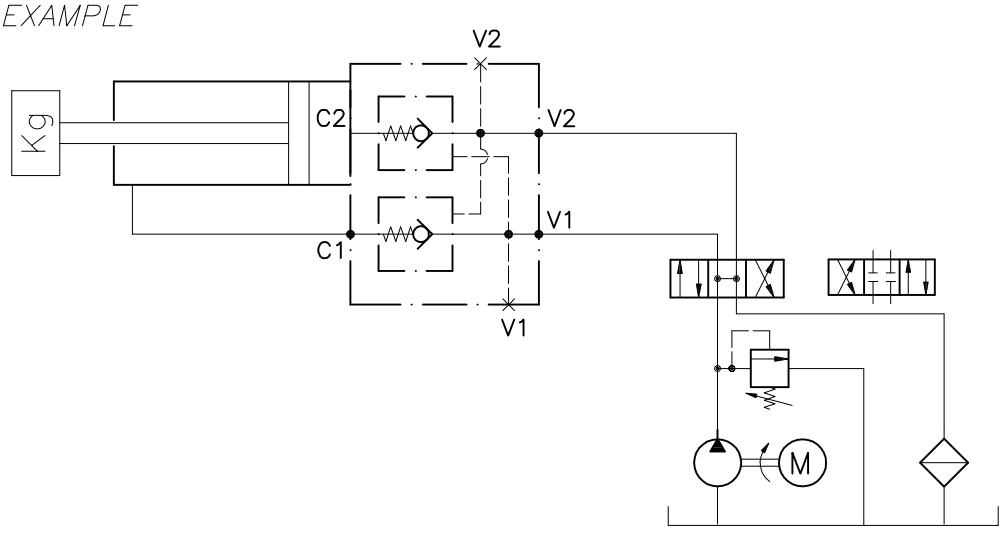
Inizio apertura ✱ *Cracking pressure*	
1 bar **Molla (Colore nero)** *Spring (Colour black)*	J
6÷8 bar **Molla (Colore giallo)** *Spring (Colour yellow)*	W

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	L	M	N	P	Q	R	S	T	Attacchi *Port size* V2-C2 V1-C1 GAS *(BSPP)*	Coppia di serraggio *Tightening torque* Nm
VNR-C-SO-DE-50-SP-FCB-38-✱	232	29.5	27.5	13	70	22	30	45	9	3/8"	63÷71
VNR-C-SO-DE-50-SP-FCB-12-✱	250	34	30	16	80	27	35	50	10	1/2"	75÷85

0	0	1			0	0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE



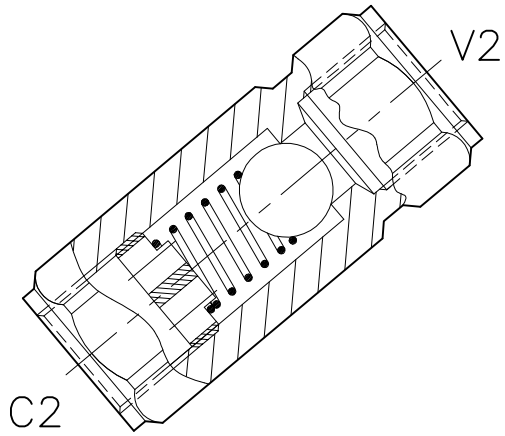
VALVOLA DI RITEGNO UNIDIREZIONALE, IN LINEA. (CON TENUTA A SFERA)

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

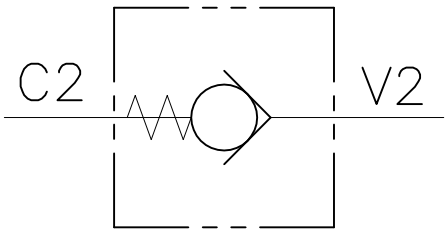
VNR–SF–...–...

NOTE:

CRITERI PROGETTUALI



SCHEMA DI FUNZIONAMENTO



CARATTERISTICHE – *PERFORMANCES*

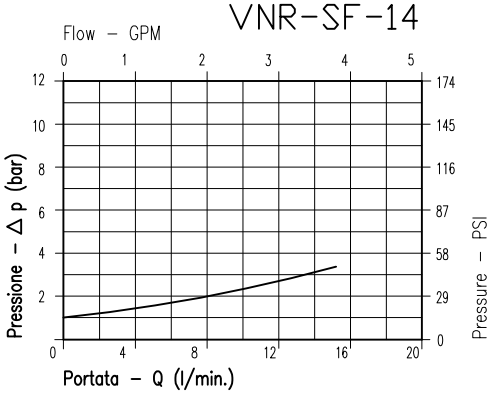
Luce nominale min/max *Min/max Rated size*	DN	Vedi Pag.02
Portata min/max *Min/max flow-rate*	l/min-GPM	Vedi Pag.02
Pressione di lavoro max *Max working pressure*		500 bar 7250 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		.
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	30 ÷ 60
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	Vedi Pag.02

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

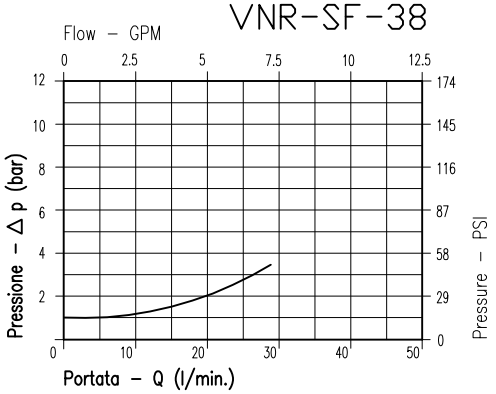
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR-SF-...-...

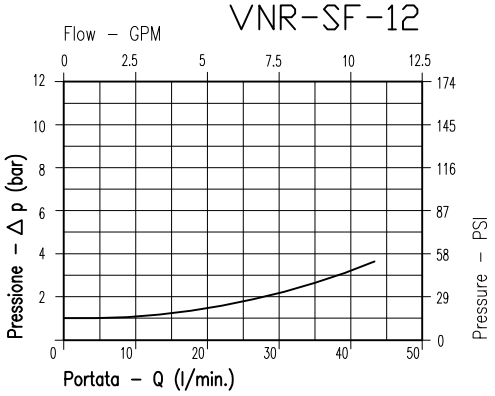
VNR-SF-14



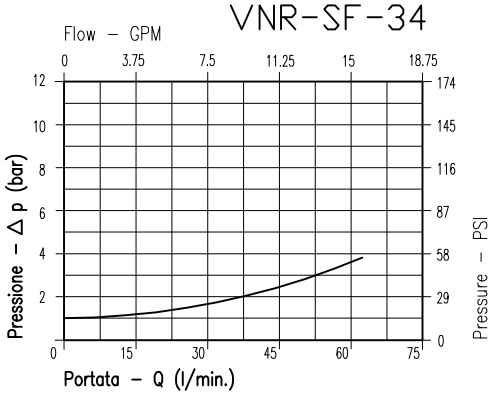
VNR-SF-38



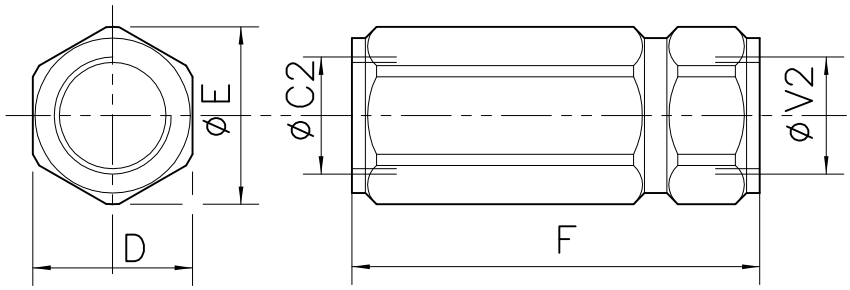
VNR-SF-12



VNR-SF-34



Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	D	E	F	Attacchi *Port size* V2–C2 GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow-rate* l/min– *GPM*
VNR–SF–14–✱	021	19	20.7	57	1/4"	6	15–*4*
VNR–SF–38–✱	022	24	26.5	61	3/8"	8	30–*8*
VNR–SF–12–✱	023	27	29.5	74	1/2"	11	45–*12*
VNR–SF–34–✱	024	36	40	92	3/4"	16	65–*17.2*

Inizio apertura ✱ *Cracking pressure*	
1 bar Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar Molla (Colore giallo) *Spring (Colour yellow)*	W

0	0	3			0		0

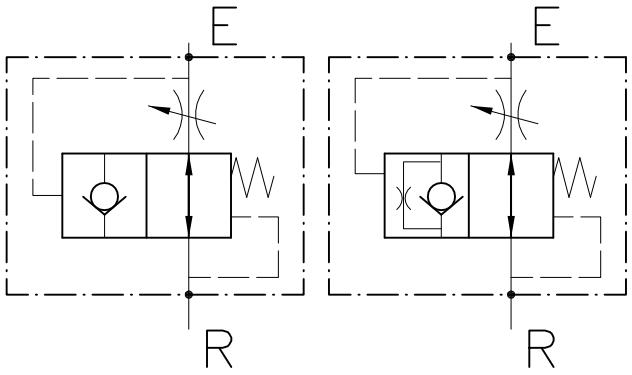
CODICE ORDINAZIONE
ORDERING CODE

VALVOLA DI SICUREZZA AUTOMATICA A CARTUCCIA

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VP...

SCHEMA DI FUNZIONAMENTO



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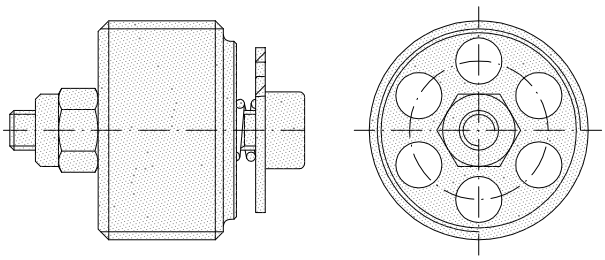
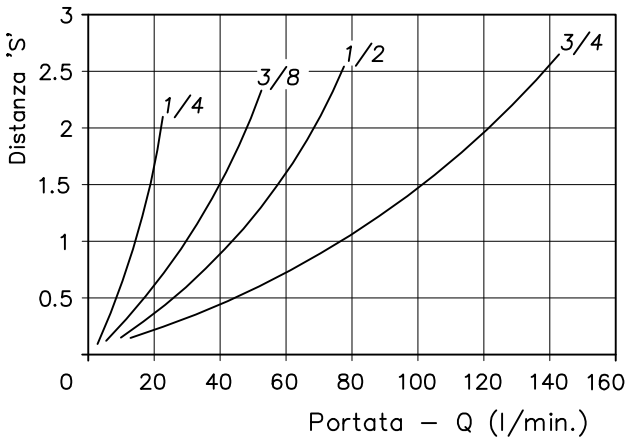


Queste valvole sono in grado di bloccare il libero deflusso dell'olio da un attuatore destinato a sorreggere carichi elevati se, a causa della rottura di una tubazione di alimentazione, viene a mancare la contropressione idraulica.
Vengono avvitate direttamente sull'utilizzo oppure su un manicotto da montare in linea vicinissimo all'attuatore.
Si raccomanda l'uso di una valvola regolatrice di flusso a valle di queste valvole, la distanza 'S' deve corrispondere ad una portata di almeno il 50% superiore al flusso regolato.
La valvola puo' essere fornita:
—con apertura 'S' standard o a richiesta
—con eventale foro sul piattello di tenuta per discesa lenta a valvola chiusa (foro a richiesta)

These valves can block flow from an actuator if the descent speed of the load exceeds the medium acceptable speed, for example in case of hose failure. They should be screwed either directly into the actuator or into an in—line manifold, mounted as close as possible to the actuator which has to be controlled.
It is reccomended to fit a flow regulator downstream the hose burst valve at the end of the flexible hose and to pre—set the valve for a flow at least 50% higher than the regulated flow.



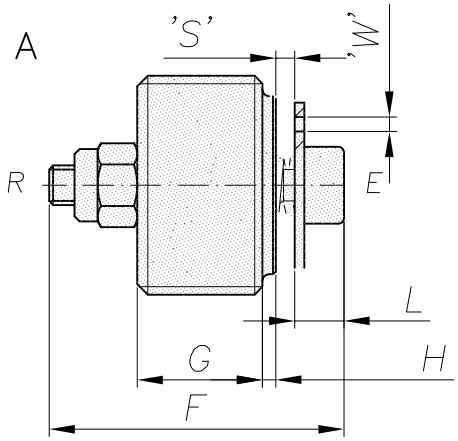
CARATTERISTICHE *PERFORMANCES*		
Grandezza *Size*		1/4" 3/8" 1/2" 3/4" 1"
Portata max *Max flow—rate*		25/180 L/min.
Pressione max *Max pressure*		350 bar
Temperatura ambiente *Room temperature*	°C	—30 +50
Temperatura olio *Oil temperature*	°C	—30 +80
Filtraggio consigliato *Filtration*	µm	30
Peso *Weight*	Kg	0.010/0.098

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

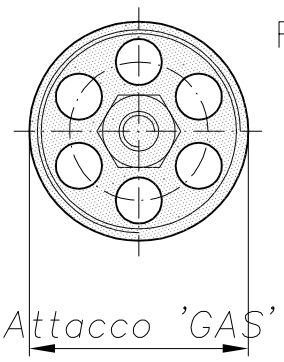
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VP...

FORO 'W' A RICHIESTA

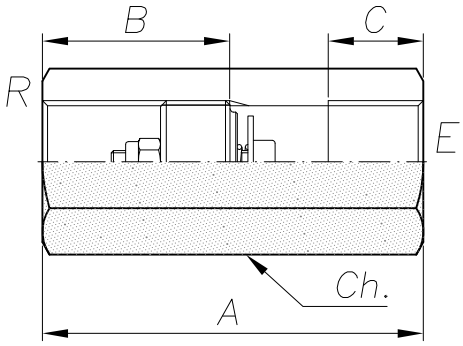


'W' HOLE ON REQUEST



SIGLA VALVOLA *VALVE CODE*	CODICE ORDINAZIONE *ORDERING CODE*	F	G	H	L		Attacchi *Port size* GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow-rate* l/min– *GPM*	Peso *Weight* Kg.
VP–14	003.059.000	16	7	1	4.5		1/4"	6	25– *5.5*	0.01
VP–38	003.060.000	20	9.5	1.5	5		3/8"	8	45– *9.9*	0.015
VP–12	003.061.000	24	11.5	1.5	6.5		1/2"	11	70– *15.4*	0.025
VP–34	003.062.000	28	15.5	2.5	6.5		3/4"	16	140– *30.8*	0.045
VP–100	.	33	18.5	1.5	8.5		1"	19	180– *39.6*	0.098

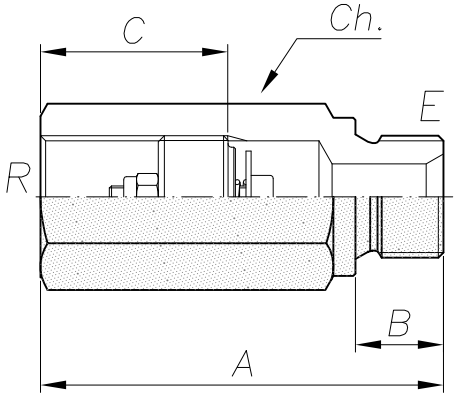
COLONNETTE CON VALVOLE 'VP' *SLEEVES WITH 'VP' VALVES*



SIGLA VALVOLA *VALVE CODE*	CODICE ORDINAZIONE *ORDERING CODE*	A	B	C	Ch	Attacchi *Port size* GAS *(BSPP)*	Peso *Weight* Kg.
VPC–14–FF	003.067.000	48	26	16	19	1/4"	0.07
VPC–38–FF	003.068.000	58	26	17	22	3/8"	0.095
VPC–12–FF	003.069.000	60	33	19	27	1/2"	0.145
VPC–34–FF	003.070.000	76	36	23	32	3/4"	0.22
VPC–100–FF	.	85	45	25	42	1"	0.435

PER CODICE DI ORDINAZIONE DELLA SOLA COLONETTA SOSTITUIRE I NUMERI FINALI .000 CON .001

FOR SLEEVES ORDERING CODE CHANGE LAST .000 WITH .001



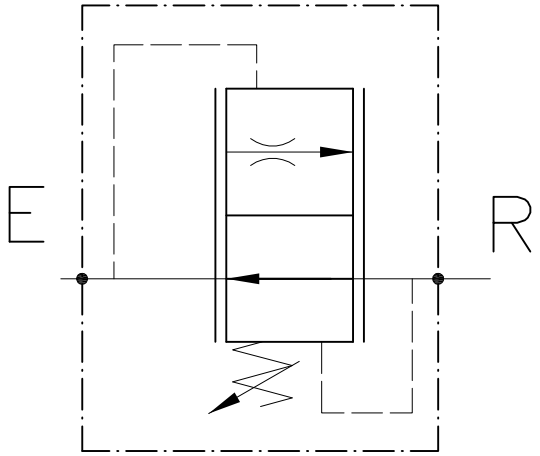
SIGLA VALVOLA *VALVE CODE*	CODICE ORDINAZIONE *ORDERING CODE*	A	B	C	Ch	Attacchi *Port size* GAS *(BSPP)*	Peso *Weight* Kg.
VPC–14–MF	003.063.000	50	12	23	19	1/4"	0.07
VPC–38–MF	003.064.000	58	12	27	22	3/8"	0.095
VPC–12–MF	003.065.000	66	17	33	27	1/2"	0.145
VPC–34–MF	003.066.000	78	19	36	32	3/4"	0.22
VPC–100–MF	.	90	26	45	42	1"	0.435

VALVOLA DI SICUREZZA AUTOMATICA A CARTUCCIA

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VB...

SCHEMA DI FUNZIONAMENTO



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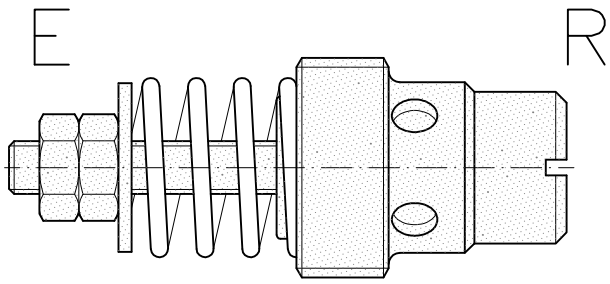
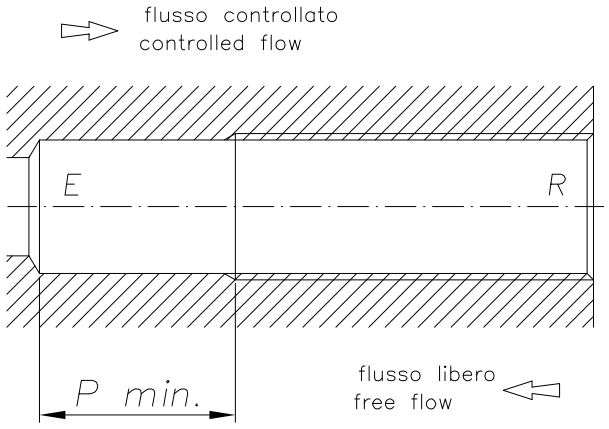
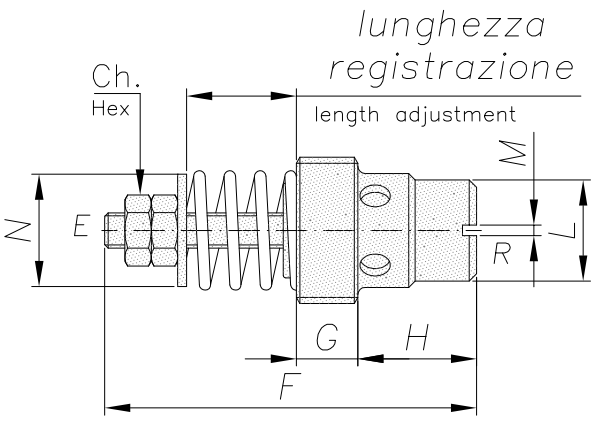


Queste valvole possono essere utilizzate sia come valvole controllo discesa sia come regolatori di flusso compensati a due vie. Nel primo caso assicurano una velocita' di discesa costante e indipendente dal carico, mentre nel secondo limitano la portata al valore stabilito che puo' essere variato entro il campo di regolazione agendo sull'apposito dado.
Per le caratteristiche costruttive della valvola i valori delle perdite di carico (da 'R' verso 'E' in flusso libero) si possono considerare invariabili indipendentemente dal campo di registrazione.
Senza specifiche indicazioni nell'ordinazione,le valvole vengono fornite con la portata regolata ad un valore medio del campo di regolazione scelto.

These valves can be used both as lowering control valves and as pressure compensated flow regulators. In the first case they keep the lowering speed largely independent from the load,while in the second case they limit flow to the preset value,which can be adjusted within regulated flow range turning the nut.
The pressure drop values (to 'R' from 'E') are unchanged indipendently on setting owing to the constructive feature of the valve.

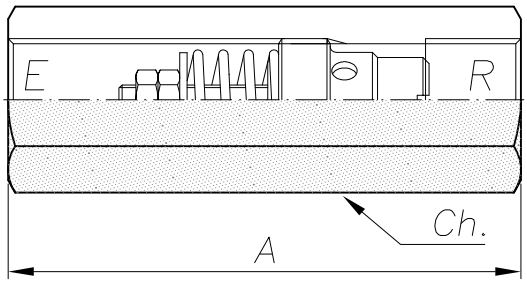
CARATTERISTICHE *PERFORMANCES*		
Grandezza *Size*		1/4" 3/8" 1/2" 3/4" 1"
Portata max *Max flow-rate*		25/180 L/min.
Pressione max *Max pressure*		350 bar
Temperatura ambiente *Room temperature*	°C	−30 +50
Temperatura olio *Oil temperature*	°C	−30 +80
Filtraggio consigliato *Filtration*	µm	30
Peso *Weight*	Kg	0.010/0.098





SIGLA VALVOLA *VALVE CODE*	CODICE ORDINAZIONE *ORDERING CODE*	F	G	H	L	M	N	Ch.	Attacchi *Port size* GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow-rate* l/min– *GPM*	Peso *Weight* Kg.
VB–14	001.035.000	38.5	7	12.5	10	2	10.3	6	1/4"	6	25– *5.5*	0.015
VB–38	001.031.000	43	10	14	11.5	2	13	7	3/8"	8	45– *9.9*	0.03
VB–12	001.032.000	50	10	17	16	2	18	7	1/2"	11	70– *15.4*	0.04
VB–34	001.033.000	63	12	23	20	2	24	7	3/4"	16	140– *30.8*	0.08
VB–100	001.034.000	--	--	--	--	--	--	--	1"	--	--	--

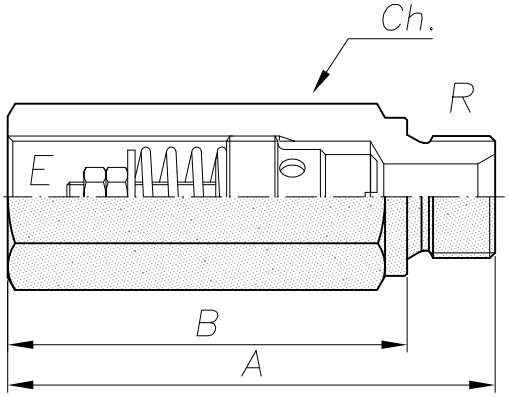
COLONNETTE CON VALVOLE 'VB' *SLEEVES WITH 'VB' VALVES*



SIGLA VALVOLA *VALVE CODE*	CODICE ORDINAZIONE *ORDERING CODE*	A	Ch	Attacchi *Port size* GAS *(BSPP)*	Peso *Weight* Kg.
VBC–14–FF	001.045.000	66	19	1/4"	0.1
VBC–38–FF	001.041.000	70	22	3/8"	0.14
VBC–12–FF	001.042.000	80	27	1/2"	0.2
VBC–34–FF	001.043.000	100	32	3/4"	0.32
VBC–100–FF	001.044.000	125	41	1"	0.6

PER CODICE DI ORDINAZIONE DELLA SOLA COLONETTA SOSTITUIRE I NUMERI FINALI .000 CON .001

FOR SLEEVES ORDERING CODE CHANGE LAST .000 WITH .001



SIGLA VALVOLA *VALVE CODE*	CODICE ORDINAZIONE *ORDERING CODE*	A	B	Ch	Attacchi *Port size* GAS *(BSPP)*	Peso *Weight* Kg.
VBC–14–MF	001.040.000	78	64	19	1/4"	0.1
VBC–38–MF	001.036.000	82	65	22	3/8"	0.14
VBC–12–MF	001.037.000	96	77	27	1/2"	0.2
VBC–34–MF	001.038.000	106	84	32	3/4"	0.32
VBC–100–MF	001.039.000	135	106	41	1"	0.6

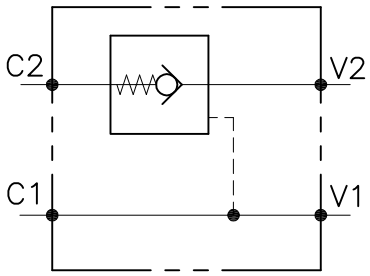
VALVOLA DI RITEGNO UNIDIREZIONALE PILOTATA IN LINEA A SEMPLICE EFFETTO.

SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–SO–SE–...–L–...

SCHEMA DI FUNZIONAMENTO



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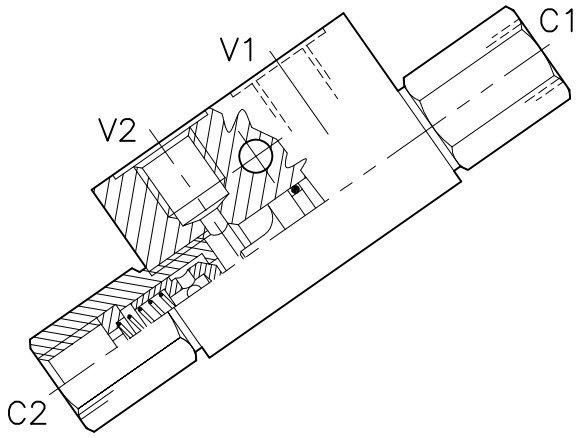


CARATTERISTICHE – *PERFORMANCES*

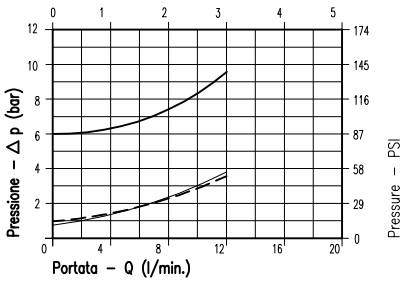
Luce nominale *Rated size*	DN	Vedi Pag.02
Portata min/max *Min/max flow–rate*	l/min–GPM	Vedi Pag.02
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		Vedi Pag.02
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	30 ÷ 50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

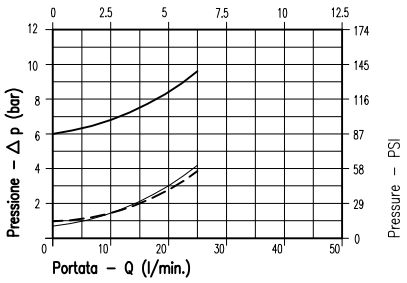
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–SO–SE–...–L–...

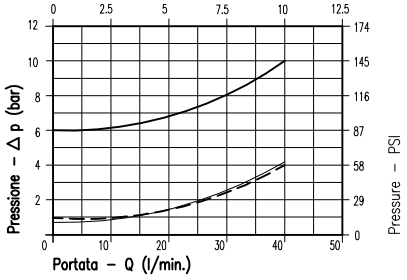
VNR–SO–SE–14–L



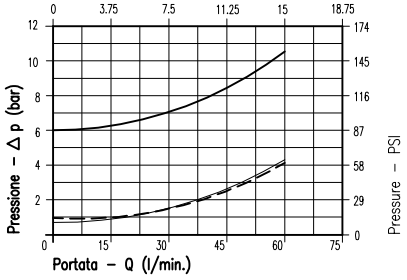
VNR–SO–SE–38–L



VNR–SO–SE–12–L



VNR–SO–SE–34–L

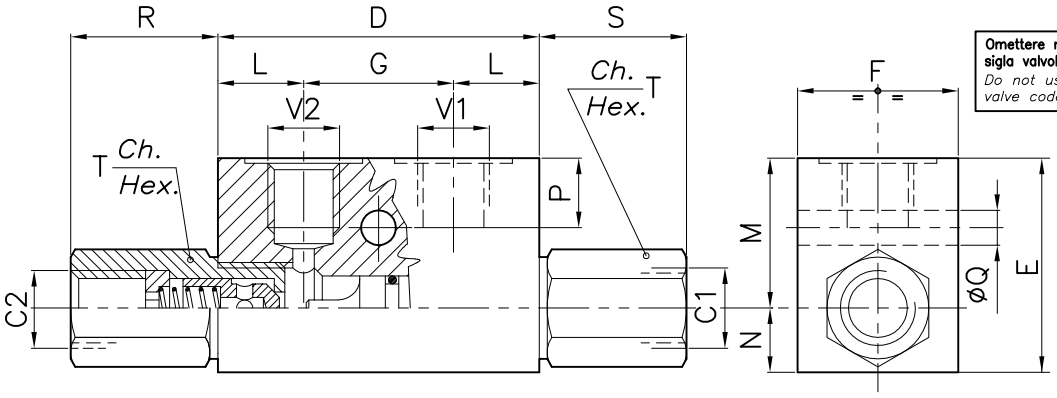


——— 8Bar Flusso libero *(Free flow)*
– – – – 1Bar Flusso libero *(Free flow)*
——— Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C

Inizio apertura ✳ *Cracking pressure*	
1 bar	
Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar	
Molla (Colore giallo) *Spring (Colour yellow)*	W

△	
O–RING sul Pist. di pilotaggio *Pilot Piston O–RING*	A
Omettere nella sigla valvola *Do not use in valve code*	Senza O–RING sul Pist. di pilotaggio *any pilot piston O–RING*	O



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	D	E	F	G	L	M	N	P	Q	R	S	T	Attacchi *Port size* V2–C2 V1–C1 GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow–rate* l/min– *GPM*
VNR–SO–SE–14–L–△–✳	026	60	40	30	28	16	28	12	13	6.5	27	23	19	1/4"	6	12–*3.2*
VNR–SO–SE–38–L–△–✳	027	70	50	35	38	16	35	15	15	6.5	29	23	24	3/8"	8	23– *6*
VNR–SO–SE–12–L–△–✳	028	80	50	35	38	21	34	16	15	6.5	32	26	27	1/2"	11	40–*10.6*
VNR–SO–SE–34–L–△–✳	029	100	60	40	50	25	39	21	15	8.5	41	33	38	3/4"	16	60–*15.8*

0	0	3						0

CODICE ORDINAZIONE
ORDERING CODE

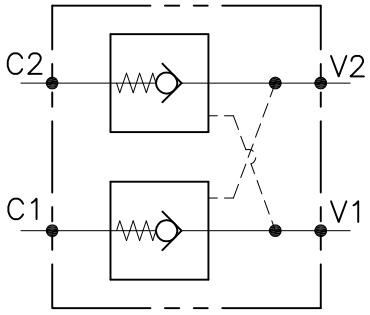
VALVOLA DI RITEGNO UNIDIREZIONALE PILOTATA IN LINEA A DOPPIO EFFETTO.

SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–SO–DE–...–L–...

SCHEMA DI FUNZIONAMENTO



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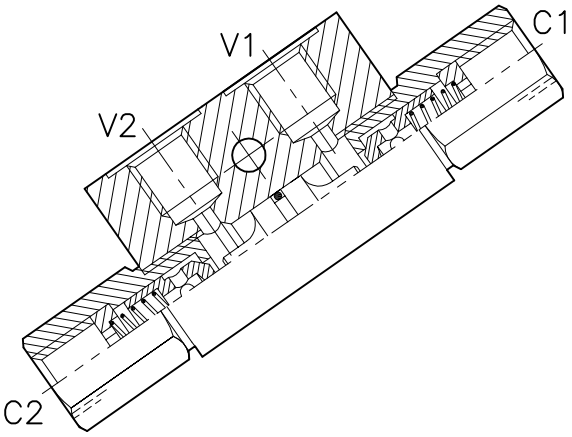


CARATTERISTICHE – *PERFORMANCES*

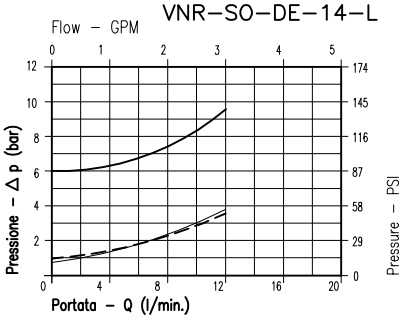
Luce nominale *Rated size*	DN	Vedi Pag.02
Portata min/max *Min/max flow–rate*	l/min–GPM	Vedi Pag.02
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		Vedi Pag.02
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	30 ÷ 50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

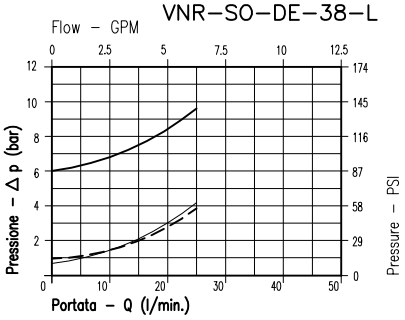
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VNR–SO–DE–...–L–...

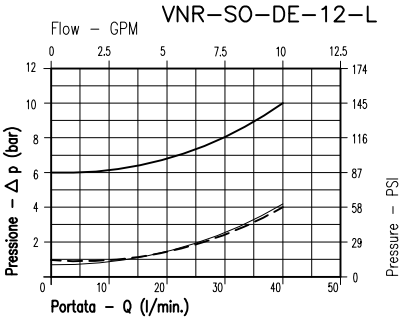
VNR–SO–DE–14–L



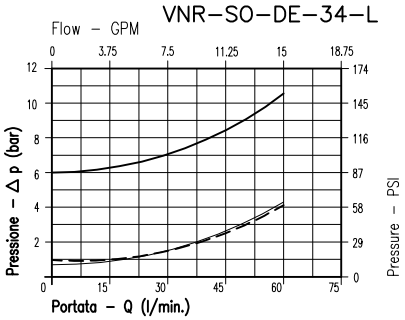
VNR–SO–DE–38–L



VNR–SO–DE–12–L



VNR–SO–DE–34–L

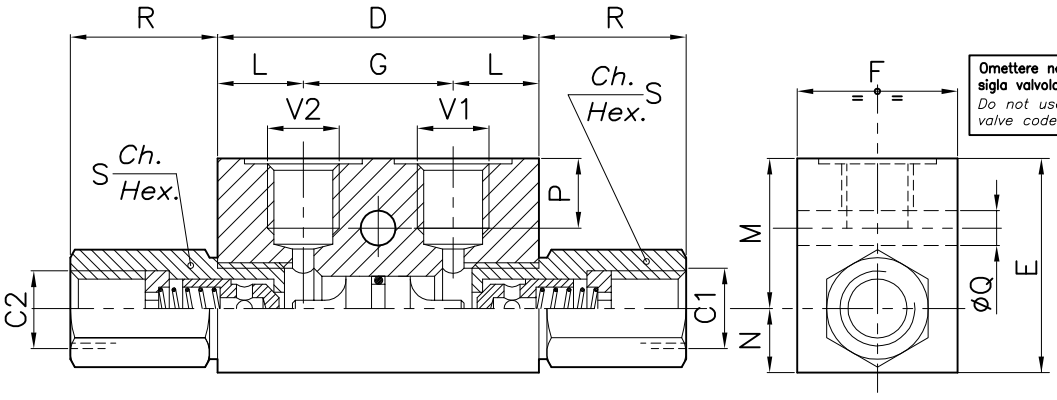


8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C

Inizio apertura ✱ *Cracking pressure*	
1 bar **Molla (Colore nero)** *Spring (Colour black)*	J
6÷8 bar **Molla (Colore giallo)** *Spring (Colour yellow)*	W

△	
O–RING sul Pist. di pilotaggio *Pilot Piston O–RING*	A
Omettere nella sigla valvola *Do not use in valve code*	**Senza O–RING sul Pist. di pilotaggio** *any pilot piston O–RING* — O



SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	D	E	F	G	L	M	N	P	Q	R	S	Attacchi *Port size* V2–C2 V1–C1 GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow–rate* l/min– *GPM*
VNR–SO–DE–14–L–△–✱	030	60	40	30	28	16	28	12	13	6.5	27	19	1/4"	6	12–*3.2*
VNR–SO–DE–38–L–△–✱	031	70	50	35	38	16	35	15	15	6.5	29	24	3/8"	8	23–*6*
VNR–SO–DE–12–L–△–✱	032	80	50	35	38	21	34	16	15	6.5	32	27	1/2"	11	40–*10.6*
VNR–SO–DE–34–L–△–✱	033	100	60	40	50	25	39	21	15	8.5	41	38	3/4"	16	60–*15.8*

0	0	3						0

CODICE ORDINAZIONE
ORDERING CODE

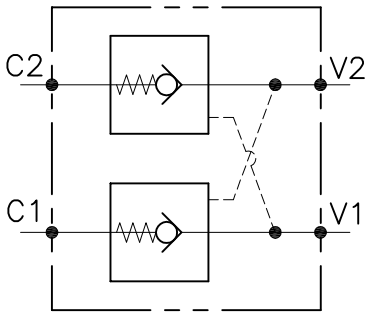
VALVOLA DI RITEGNO UNIDIREZIONALE PILOTATA IN LINEA A DOPPIO EFFETTO.

SERIE "VNR"

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

A–VNR–SO–DE–...–L–...

SCHEMA DI FUNZIONAMENTO



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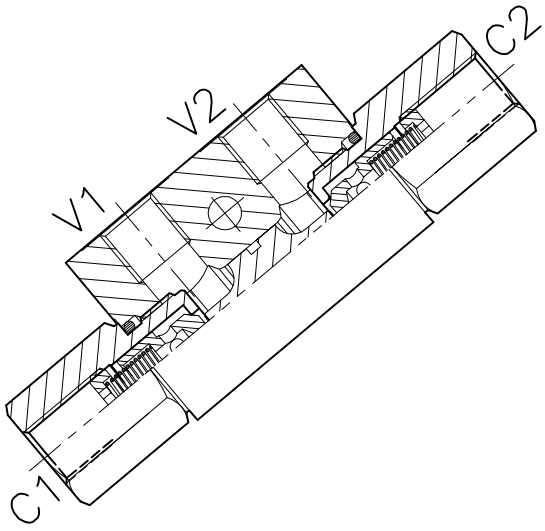
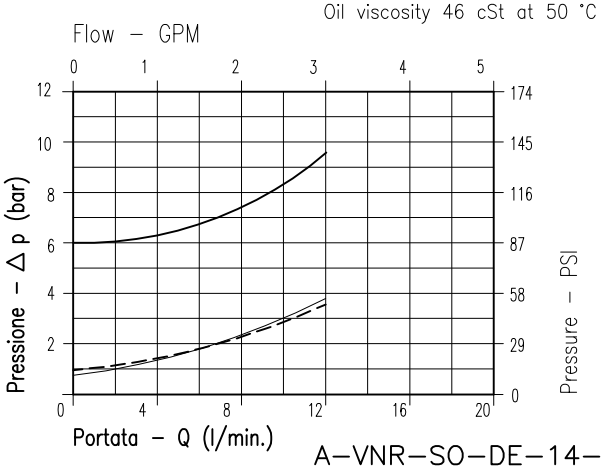


CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	Vedi Pag.02
Portata min/max *Min/max flow–rate*	l/min-GPM	Vedi Pag.02
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		4 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	30 ÷ 50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

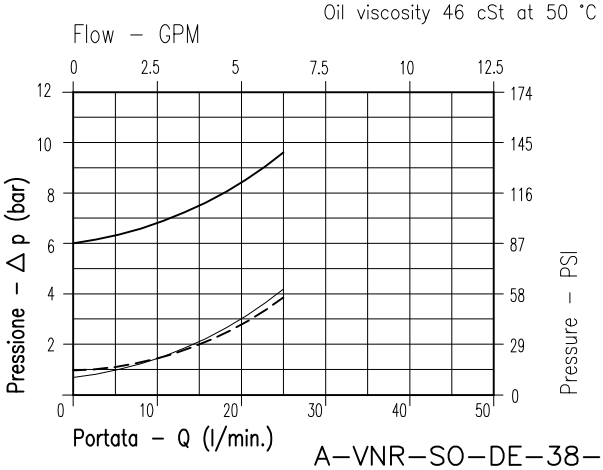
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



A–VNR–SO–DE–14–L

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



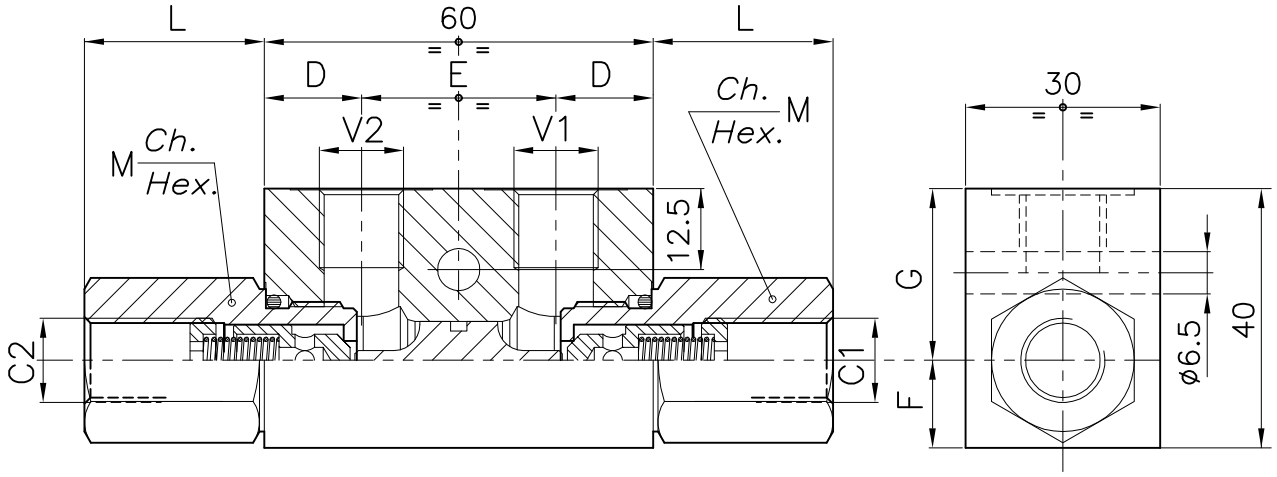
A–VNR–SO–DE–38–L

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN s.r.l. — HYDRAULIC VALVES AND INTEGRATED COMPONENTS — ITALY

A–VNR–SO–DE–...–L–...



△	
O–RING sul Pist. di pilotaggio *Pilot Piston O–RING*	A
Omettere nella sigla valvola *Do not use in valve code* — Senza O–RING sul Pist. di pilotaggio *any pilot piston O–RING*	O

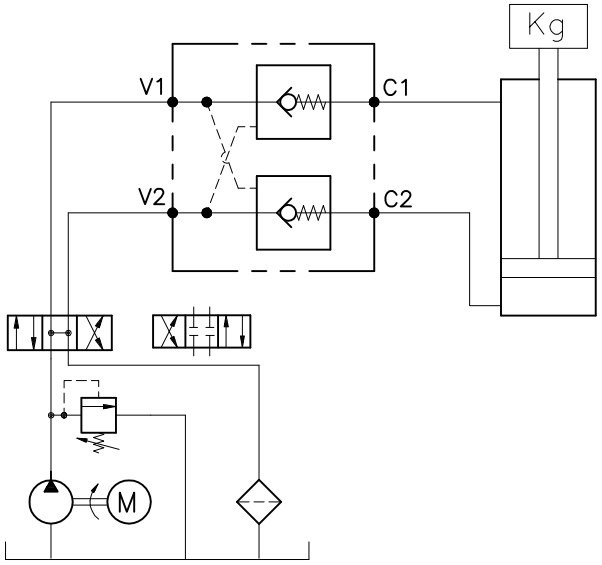
Inizio apertura ✹ *Cracking pressure*	
1 bar — Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar — Molla (Colore giallo) *Spring (Colour yellow)*	W

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	D	E	F	G	L	M	Attacchi *Port size* V2–C2 V1–C1 GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow–rate* l/min– *GPM*
A–VNR–SO–DE–14–L–△–✹	254	15	30	13.5	26.5	28	22	1/4"	6	16–*4.2*
A–VNR–SO–DE–38–L–△–✹	258	14	32	14.5	25.5	30	24	3/8"	8	35–*9.2*

0	0	3						0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE



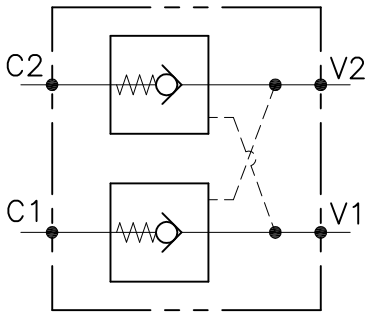
VALVOLA DI RITEGNO UNIDIREZIONALE PILOTATA IN LINEA A DOPPIO EFFETTO.

SERIE "VNR"

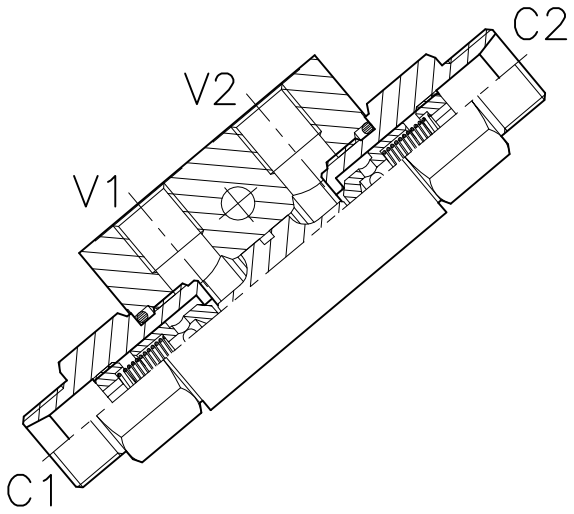
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

A–VNR–SO–DE–...D–L–...

SCHEMA DI FUNZIONAMENTO



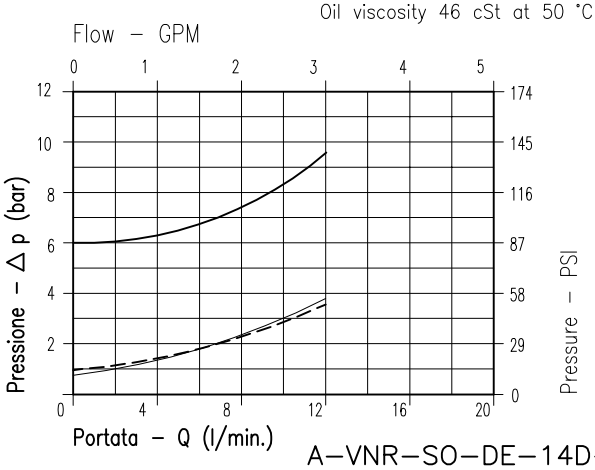
CRITERI PROGETTUALI



CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	Vedi Pag.02
Portata min/max *Min/max flow–rate*	l/min-GPM	1/16 – 0.26/4.2
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		4 : 1
Temperatura ambiente *Room temperature*	°C	–30 +50
Temperatura olio *Oil temperature*	°C	–30 +80
Filtraggio consigliato *Filtration*	micron	30 ÷ 50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

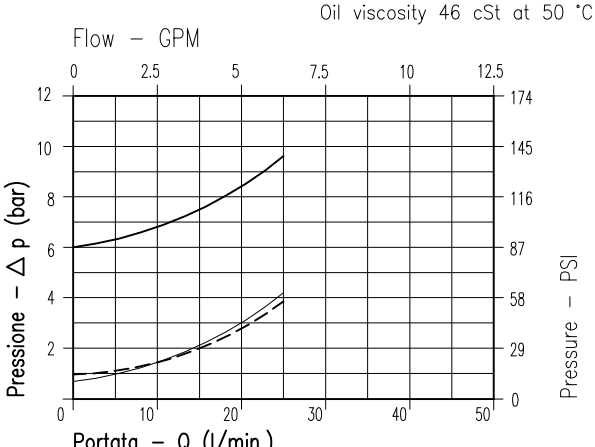
Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



A–VNR–SO–DE–14D–L

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



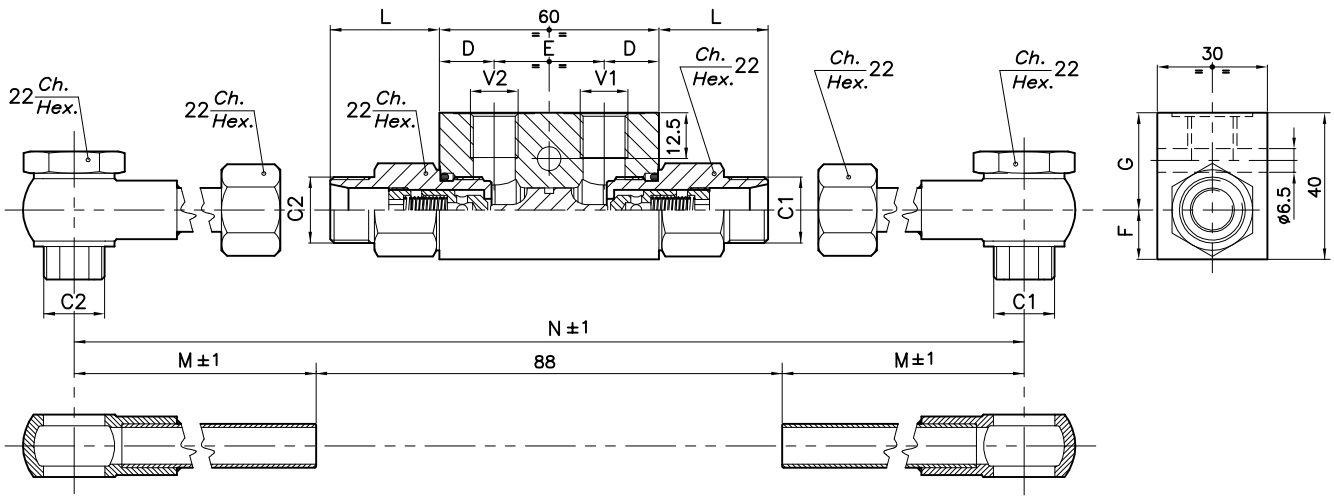
A–VNR–SO–DE–38D–L

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

A–VNR–SO–DE–...D–L–...



Esempio:

N: Interasse richiesto (=300)

$$M = \frac{300-88}{2} = \frac{212}{2} = 106$$

△	
O–RING sul Pist. di pilotaggio *Pilot Piston O–RING*	A
Omettere nella sigla valvola *Do not use in valve code*	Senza O–RING sul Pist. di pilotaggio *any pilot piston O–RING*	O

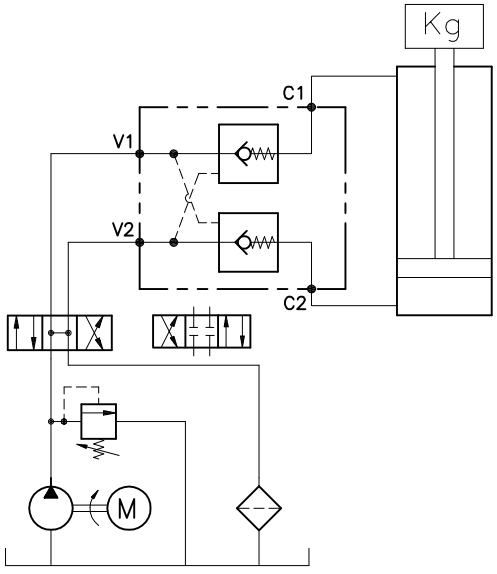
Inizio apertura ✱ *Cracking pressure*	
1 bar	
Molla (Colore nero) *Spring (Colour black)*	J
6÷8 bar	
Molla (Colore giallo) *Spring (Colour yellow)*	W

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	D	E	F	G	L		Attacchi *Port size* V2–C2 V1–C1 GAS *(BSPP)*	Luce nominale *Rated size* DN	Portata max *Max flow–rate* l/min– *GPM*
A–VNR–SO–DE–14D–L–△–✱	252	15	30	13.5	26.5	30		1/4"	6	16–*4.2*
A–VNR–SO–DE–38D–L–△–✱	256	14	32	14.5	25.5	30.5		3/8"	8	35–*9.2*

0	0	3						0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

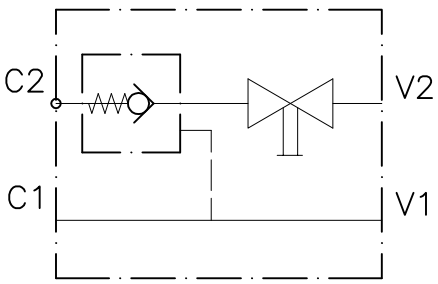


VALVOLA DI RITEGNO UNIDIREZIONALE A SBLOCCAGGIO OLEODINAMICO, A RUBINETTO. SERIE "VNR"

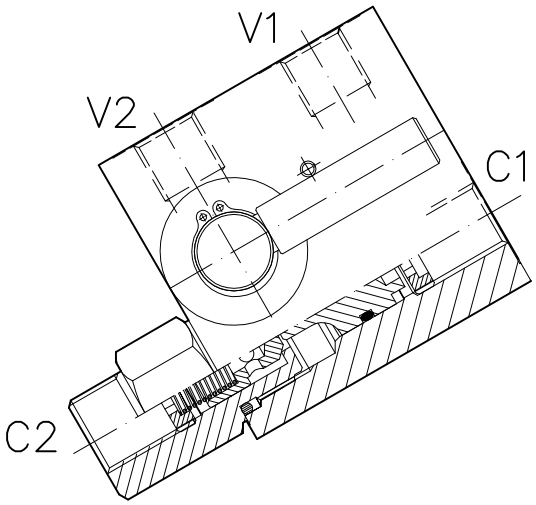
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VRC-SE-...-D-S

SCHEMA DI FUNZIONAMENTO



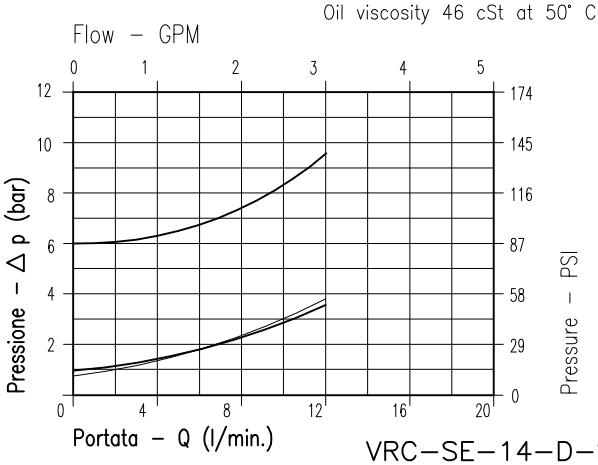
CRITERI PROGETTUALI



CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	.
Portata min/max *Min/max flow-rate*	l/min-GPM	1/45 - 0.26/11.9
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Pressione max di taratura *Max setting pressure*		.
Rapporto di pilotaggio *Pilot ratio*		4 : 1
Temperatura ambiente *Room temperature*	°C	-30 +50
Temperatura olio *Oil temperature*	°C	-30 +80
Filtraggio consigliato *Filtration*	micron	50
Coppia di serraggio *Tightening torque*	Nm	.
Peso *Weight*	Kg	.

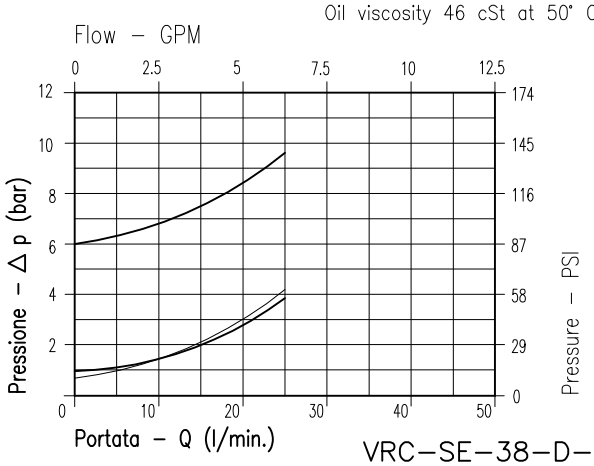
Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C



VRC-SE-14-D-S

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

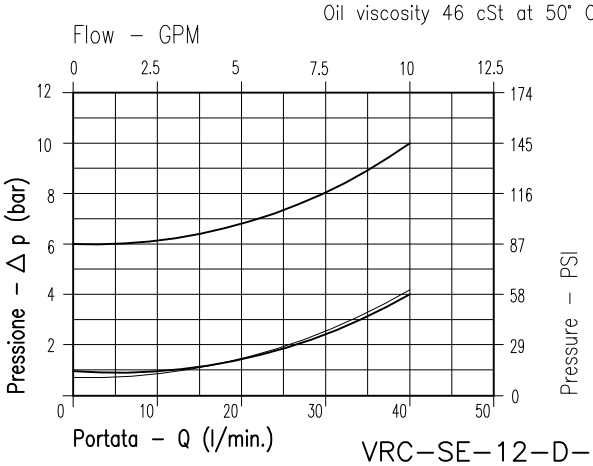
Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C



VRC-SE-38-D-S

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

Viscosita' olio 46 cSt a 50° C
Oil viscosity 46 cSt at 50° C



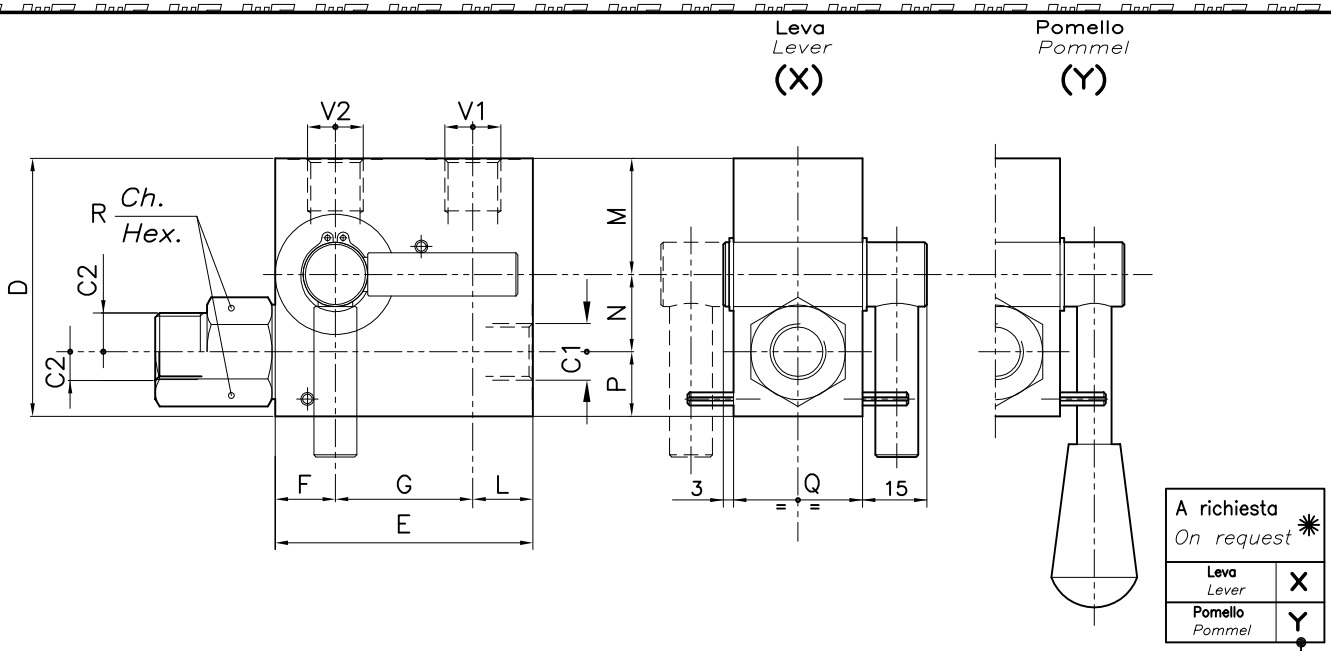
VRC-SE-12-D-S

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

SOLUZIONI DI PRODUZIONE NECESSARIE
PER LA SCELTA DEL PRODOTTO
E RELATIVA DEFINIZIONE DEL
CODICE D'ORDINAZIONE

LUEN s.r.l. — HYDRAULIC VALVES AND INTEGRATED COMPONENTS — ITALY

VRC–SE–...–D–S–...



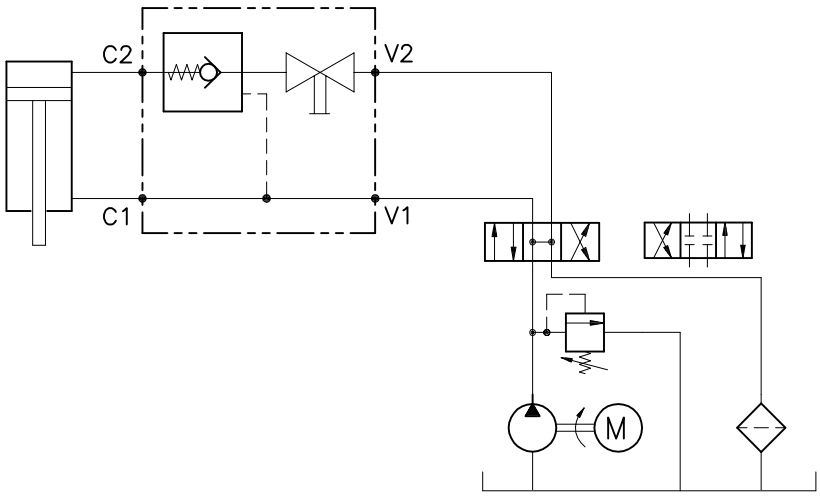
A richiesta *On request* ✳	
Leva *Lever*	X
Pomello *Pommel*	Y

SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	D	E	F	G	L	M	N	P	Q	R	Attacchi *Port size* V1–V2 GAS *(BSPP)*	Attacchi *Port size* C1–C2 GAS *(BSPP)* DIN	Portata max *Max flow–rate* l/min– *GPM*
VRC–SE–14–D–S–✳	290	60	60	14	32	14	27	18	15	30	22	1/4"	1/4"	15–*4*
VNC–SE–14D–D–S–✳	292											1/4"	1/4"DIN	35–*9.2*
VRC–SE–38–D–S–✳	291										24	3/8"	3/8"	45–*11.9*
VNC–SE–38D–D–S–✳	293										22	3/8"	3/8"DIN	15–*4*
VRC–SE–12–D–S–✳												1/2"	1/2"	35–*9.2*
VNC–SE–12D–D–S–✳												1/2"	1/2"DIN	45–*11.9*

0	0	3			0	0

CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE



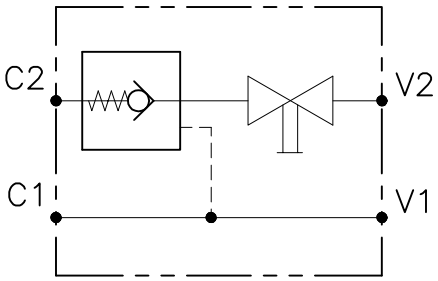
VALVOLE DI NON RITORNO A SBLOCCO OLEODINAMICO CON RUBINETTO PER BLOCCO MANUALE.

SERIE "VRC"

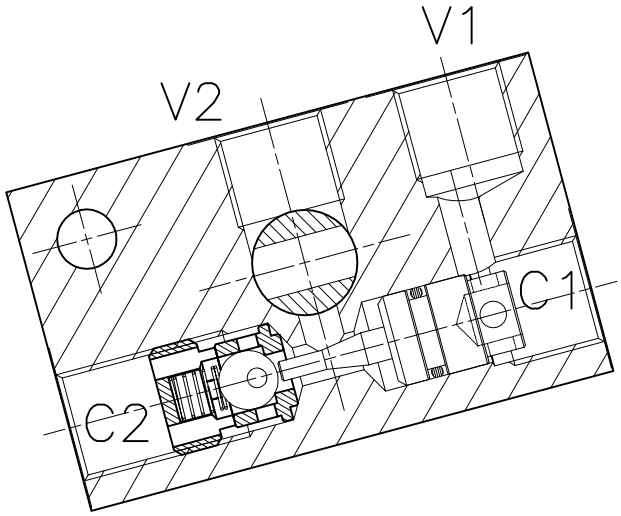
LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VRC-SE-OIL-...-D-S

SCHEMA DI FUNZIONAMENTO



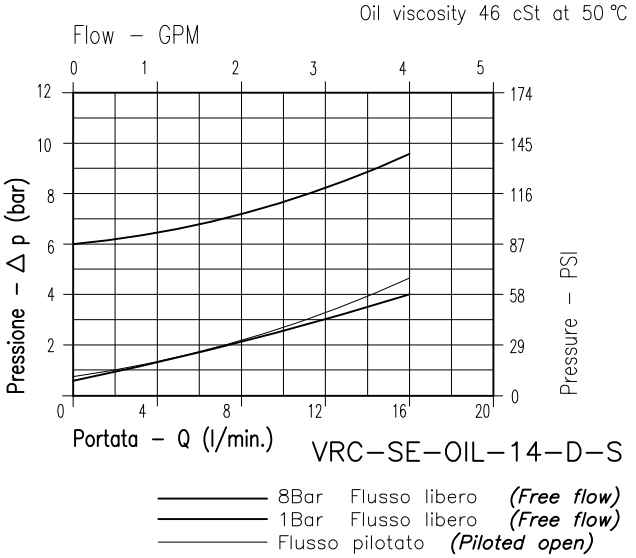
CRITERI PROGETTUALI



CARATTERISTICHE – *PERFORMANCES*

Luce nominale *Rated size*	DN	.
Portata min/max *Min/max flow-rate*	l/min-GPM	vedi diagramma see performance graph
Pressione di lavoro max *Max working pressure*		350 bar 5075 PSI
Rapporto di pilotaggio *Pilot ratio*		5.3 : 1
Temperatura ambiente *Room temperature*	°C	-30 +50
Temperatura olio *Oil temperature*	°C	-30 +80
Filtraggio consigliato *Filtration*	micron	50
Peso *Weight*	Kg	.

Viscosita' olio 4°E a 50°C
Oil viscosity 46 cSt at 50 °C



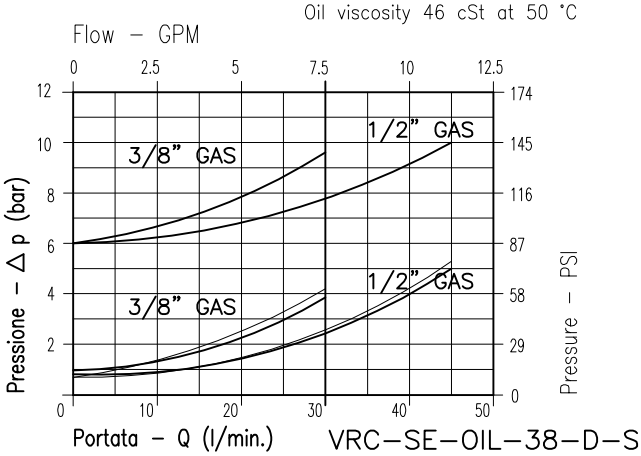
VRC-SE-OIL-14-D-S

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

Sono valvole di non ritorno a sblocco oleodinamico a semplice effetto con rubinetto per montaggio in linea o con attacco DIN. La guarnizione O-ring sul pistoncino di pilotaggio, garantisce il massimo rapporto di pilotaggio. La valvola e' fornita di un rubinetto simmetrico e quindi a seconda delle necessita' puo' diventare destra o sinistra.

A richiesta la valvola puo' essere fornito con raccorderia GAS (riduzione M 3/8" – F 1/4") oppure DIN (ø12) pagando un sovraprezzo al costo di listino.

Viscosita' olio 46 cSt a 50 °C
Oil viscosity 46 cSt at 50 °C



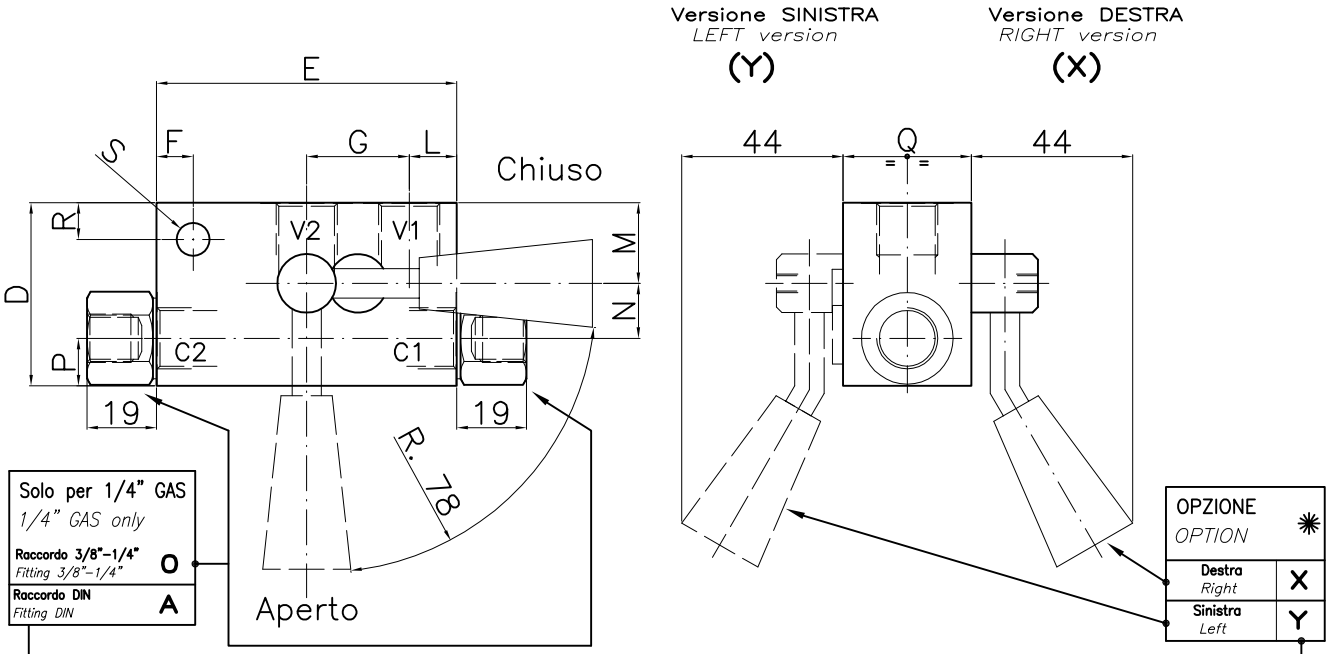
VRC-SE-OIL-38-D-S
VRC-SE-OIL-12-D-S

8Bar Flusso libero *(Free flow)*
1Bar Flusso libero *(Free flow)*
Flusso pilotato *(Piloted open)*

SOLUZIONI DI PRODUZIONE NECESSARIE PER LA SCELTA DEL PRODOTTO E RELATIVA DEFINIZIONE DEL CODICE D'ORDINAZIONE

LUEN HYDRAULIC VALVES AND INTEGRATED COMPONENTS s.r.l. ITALY

VRC-SE-OIL-...-D-S-...

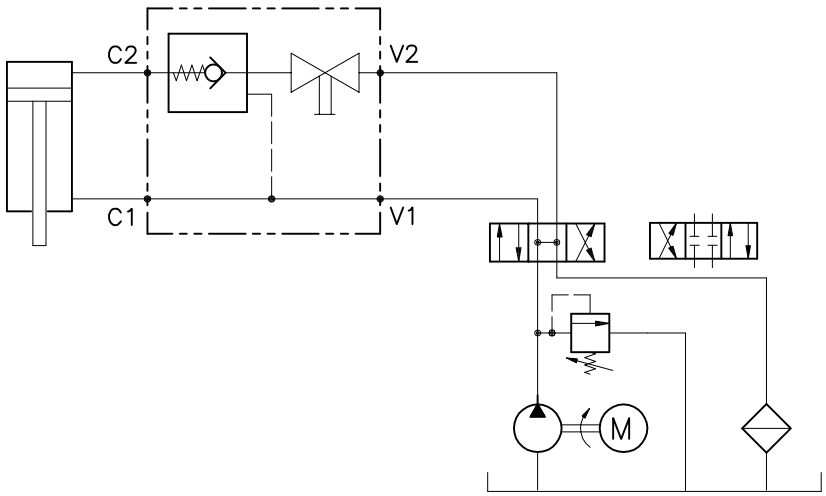


SIGLA VALVOLA *VALVE CODE*	Numero Valvola *Valve Number*	D	E	F	G	L	M	N	P	Q	R	ØS	Attacchi *Port size* V1-V2 C1-C2 GAS *(BSPP)*	Portata max *Max flow-rate* l/min- *GPM*
VRC-SE-OIL-14-D-S-✳	341	50	82	10	28	13	27	18	13	35	10	9	1/4"	16-*4.2*
VRC-SE-OIL-38-D-S-✳	297												3/8"	35-*9.2*
VRC-SE-OIL-12-D-S-✳													1/2"	45-*11.9*

0	0	3				0

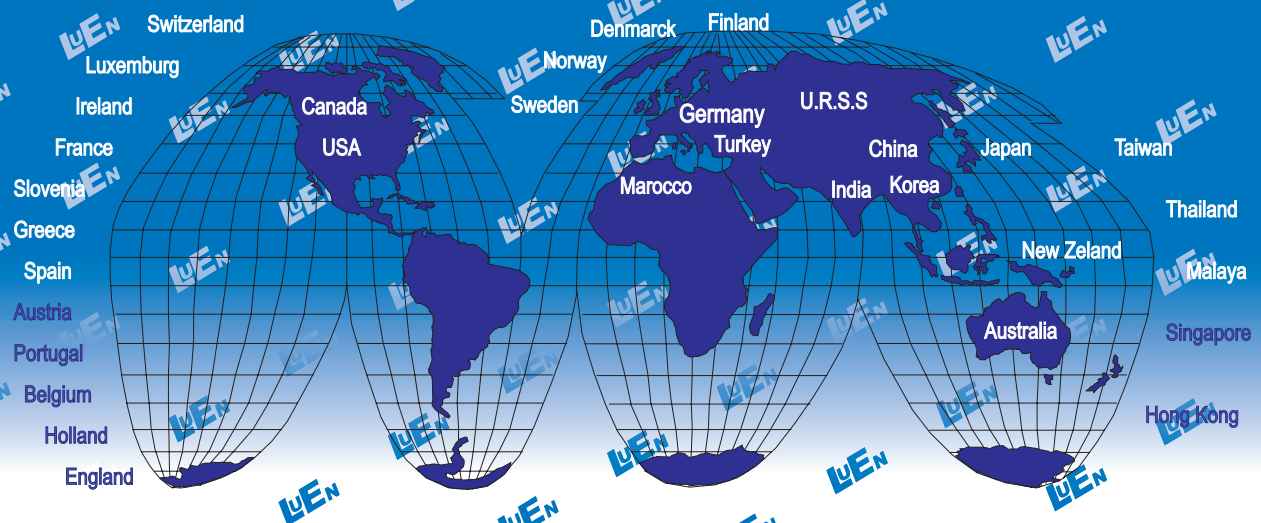
CODICE ORDINAZIONE
ORDERING CODE

ESEMPIO TIPICO DI CIRCUITO
TYPICAL CIRCUIT EXAMPLE

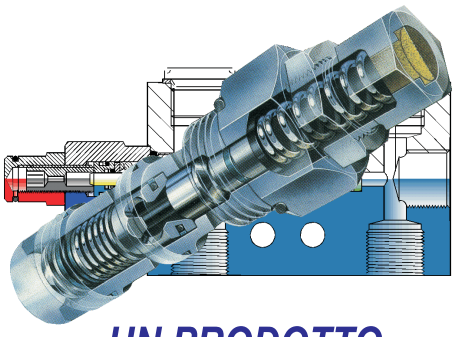


Costruzione valvole oleoidrauliche e gruppi integrati dal 1979

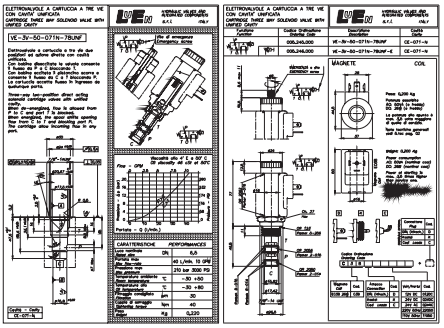
La presenza del mondo di LuEn è il risultato di un impegno costante in 25 anni di attività al servizio della clientela



UNA FAMIGLIA....



UN PRODOTTO....



UN SERVIZIO TECNICO

LuEn S.R.L. HYDRAULIC VALVES AND INTEGRATED COMPONENTS

DEALER

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em@il: commerciale@luen.it tecnico@luen.it