

Overcentre valves for hydraulic motors



Most common applications of hydraulic motors in mobile hydraulics

- Rotation control;
- Winches;
- Crawlers.

Customization

By starting from an overcentre valve (single or dual version), it's possible to customize this product with the following components:

- Shuttle valve to open the brake of the motors;
- Relief valve to protect the motors;
- Pressure reducer to control the pressure that opens the brake.

Moreover, it's possible to customize the geometry of these valves, because they are often directly flanged on the hydraulic motors.

Choice of the pilot ratio

When a high pilot ratio is used, this allows to control the load motion with a reduced pilot pressure. The speed of the machine is higher and there is an energy saving. It is recommended for applications in which the load pressure is almost constant.

When a low pilot ratio is used, the valve requires a high pilot pressure for load lowering, but it allows a more precise control of the motion. It is recommended for applications in which the load can induce a not constant pressure during the motion of the machine.

The pilot ratio R has to satisfy the following condition: the minimum pilot pressure needed to open the overcentre valve has to be higher than the pressure needed to open the brake of the hydraulic motor (the brake must be opened before the starting of the rotation of the motor).

$$P_{pil}(\min) = \frac{P_{set} - P_{load}(\max)}{R + 1} > P_{brake}$$

Where:

- $P_{pil(min)}$: minimum pilot pressure needed to open the overcentre valve;
- P_{set} : setting pressure of the overcentre valve;
- $P_{load(max)}$: maximum pressure induced by the load;
- R : pilot ratio;
- P_{brake} : brake release pressure.

Example:

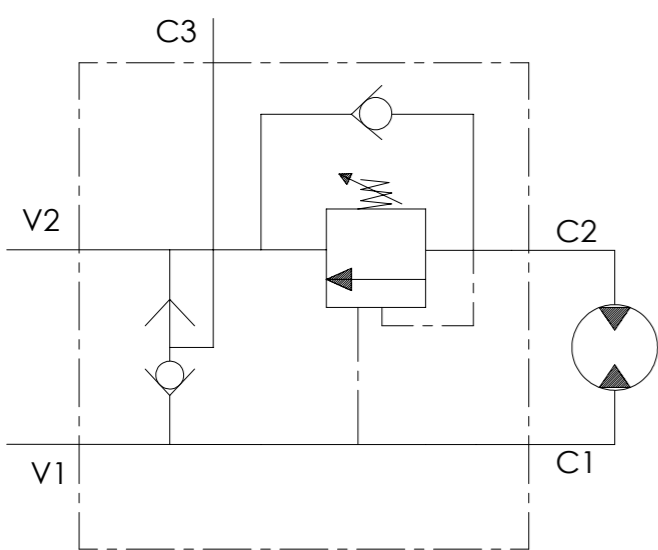
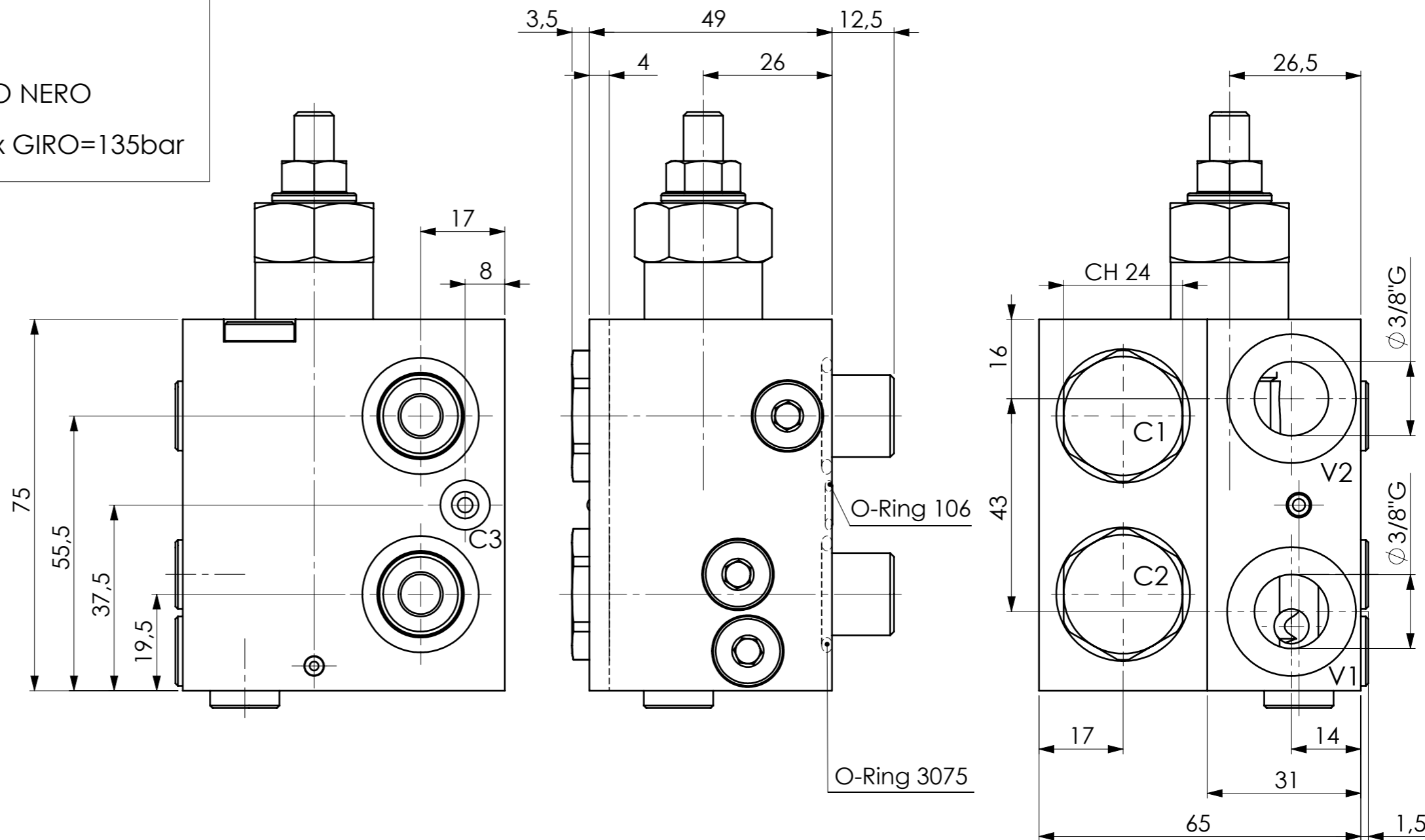
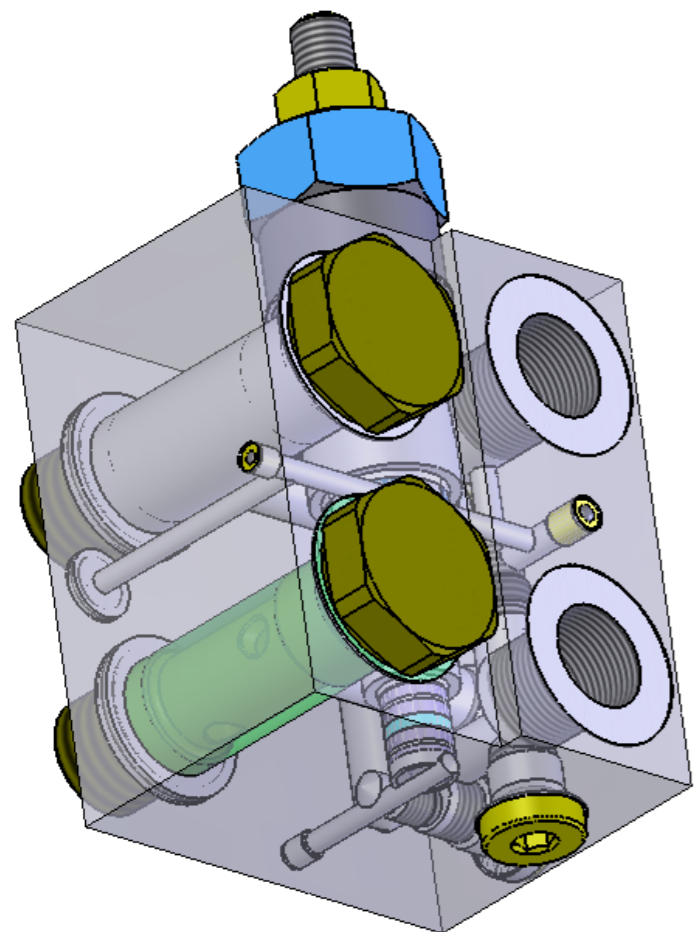
- $P_{set}=330$ bar;
- $P_{load(max)}=160$ bar;
- $R=6$;
- $P_{brake}=20$ bar.

$$P_{pil(min)} = \frac{330 - 160}{6 + 1} = 24.3 \text{ bar} > 20 \text{ bar}$$

If this condition is not satisfied, a different pilot ratio and/or a different setting pressure can be chosen.

CARATTERISTICHE:

- PORTATA 40 l/min
- PRESSIONE MAX 350 bar
- CORPO IN ALLUMINIO ANODIZZATO NERO
- RAPPORTO DI PILOTAGGIO R 4.2:1
- TARATURA 330 bar - INCREMENTO x GIRO=135bar



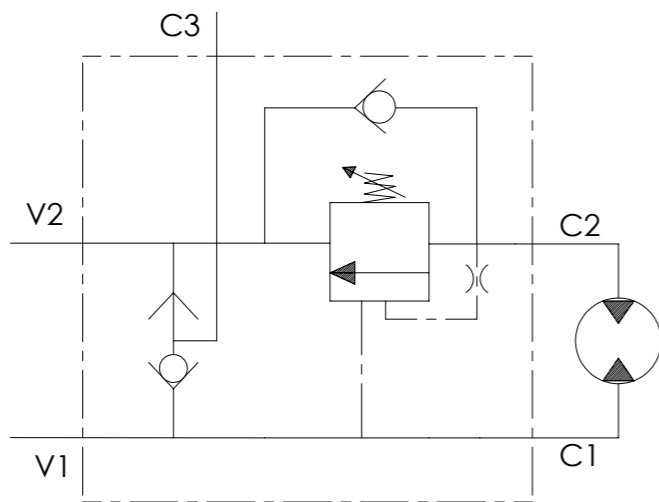
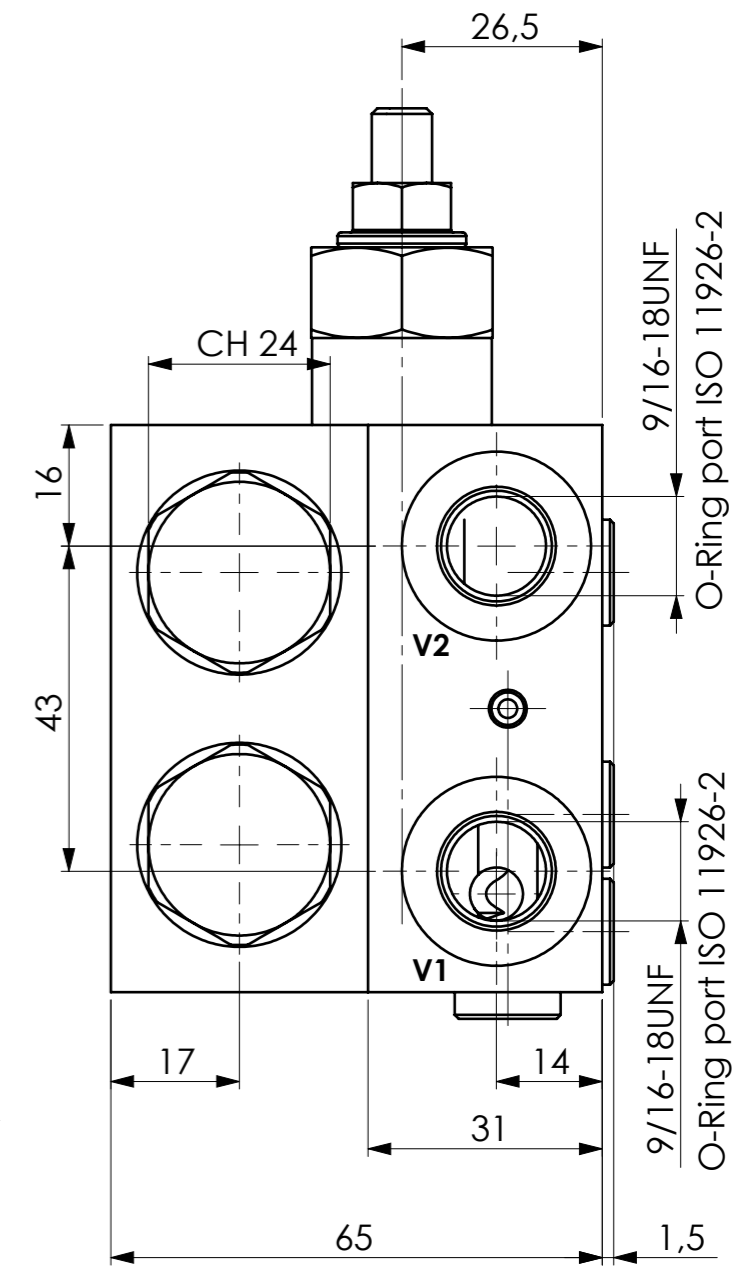
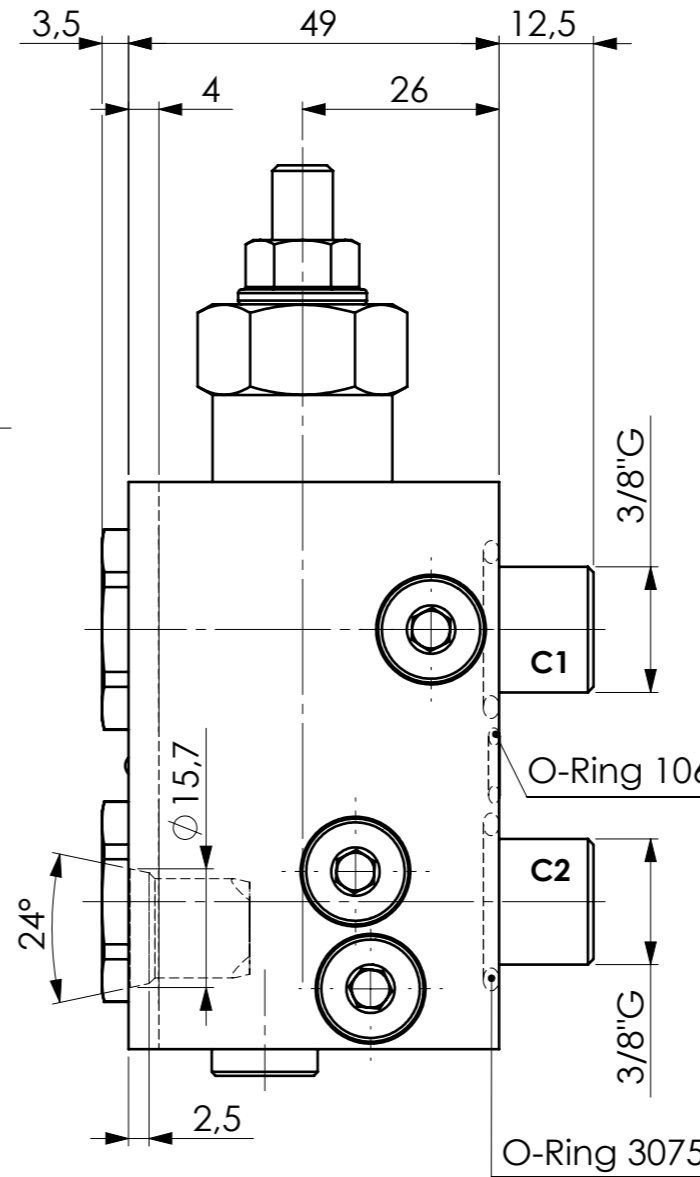
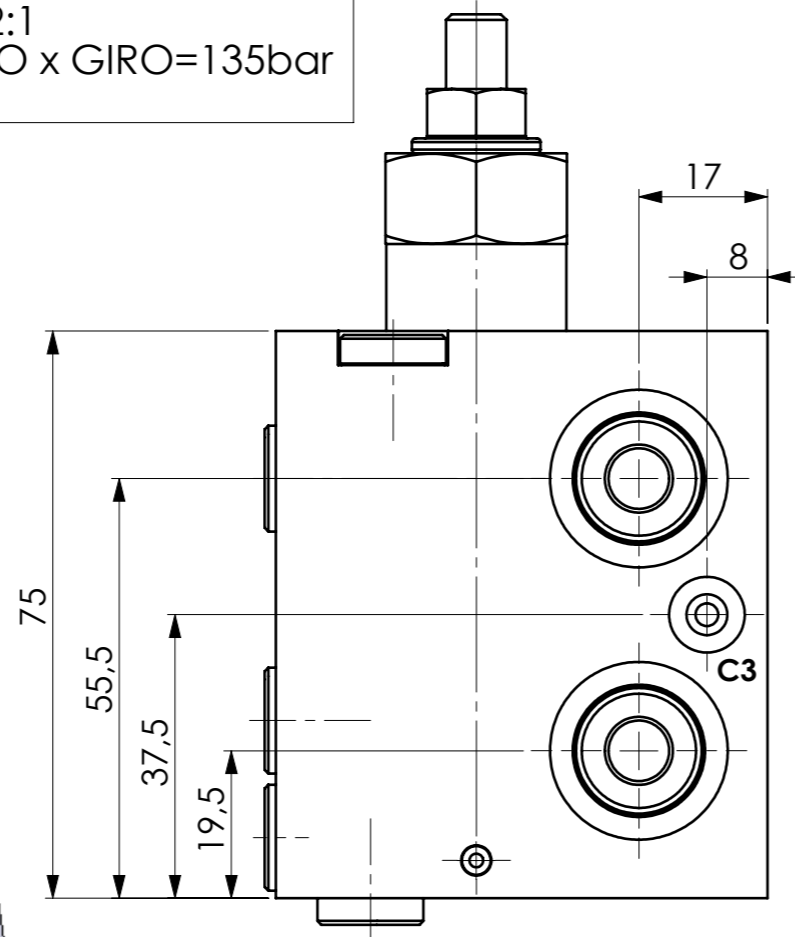
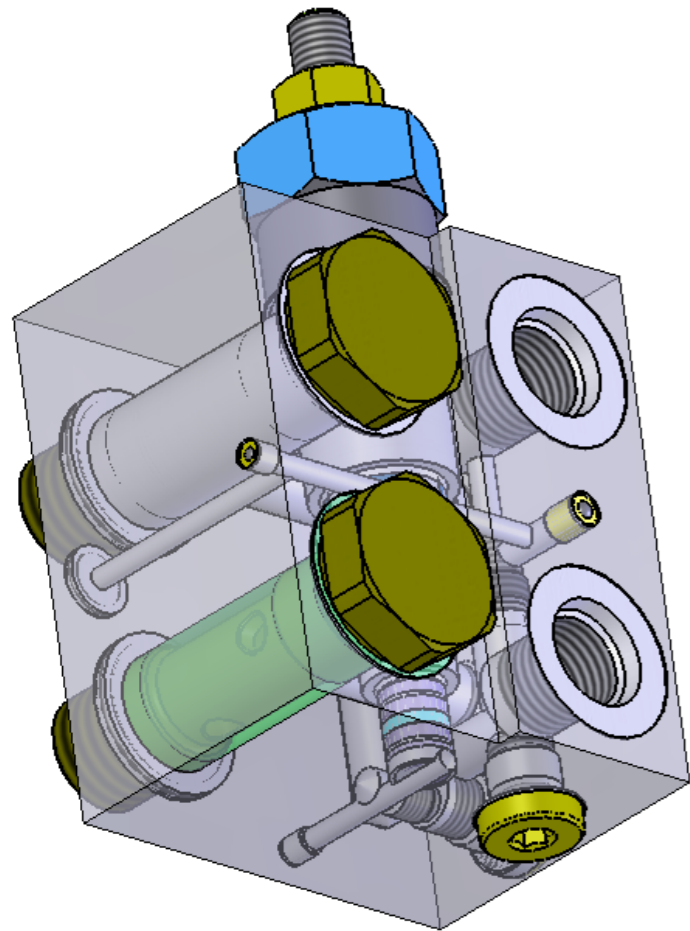
DINAMIC OIL 4380106

TOLLERANZE GENERALI COME DA NS. NORME CON QUALITA' MEDIA PRECISA

MODIFICHE	5			VERIFICATORE	DATA	
	4				10-04-07	
	3			DISEGNATORE	DATA	
	2				10-04-07	
	1				GRUPPO	
NOTE						L DISEGNO E' DI NOSTRA ESCLUSIVA PROPRIETA E VA SEMPRE RESO
	SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	PARTICOLARE		
	1	Tipo	Sigla UNI Alluminio	VALVOLA OVC SEMPLICE CON SBLOCCO FRENO		
	2	Durezza	Stato fornitura	SCALA	CODICE PARTICOLARE	
	3	Superficie finale	Dimensioni	1:1	B06039122	

CARATTERISTICHE:

- PORTATA 40 l/min
- PRESSIONE MAX 350 bar
- CORPO IN ALLUMINIO ANODIZZATO NERO
- RAPPORTO DI PILOTAGGIO R 4.2:1
- TARATURA 330 bar - INCREMENTO x GIRO=135bar

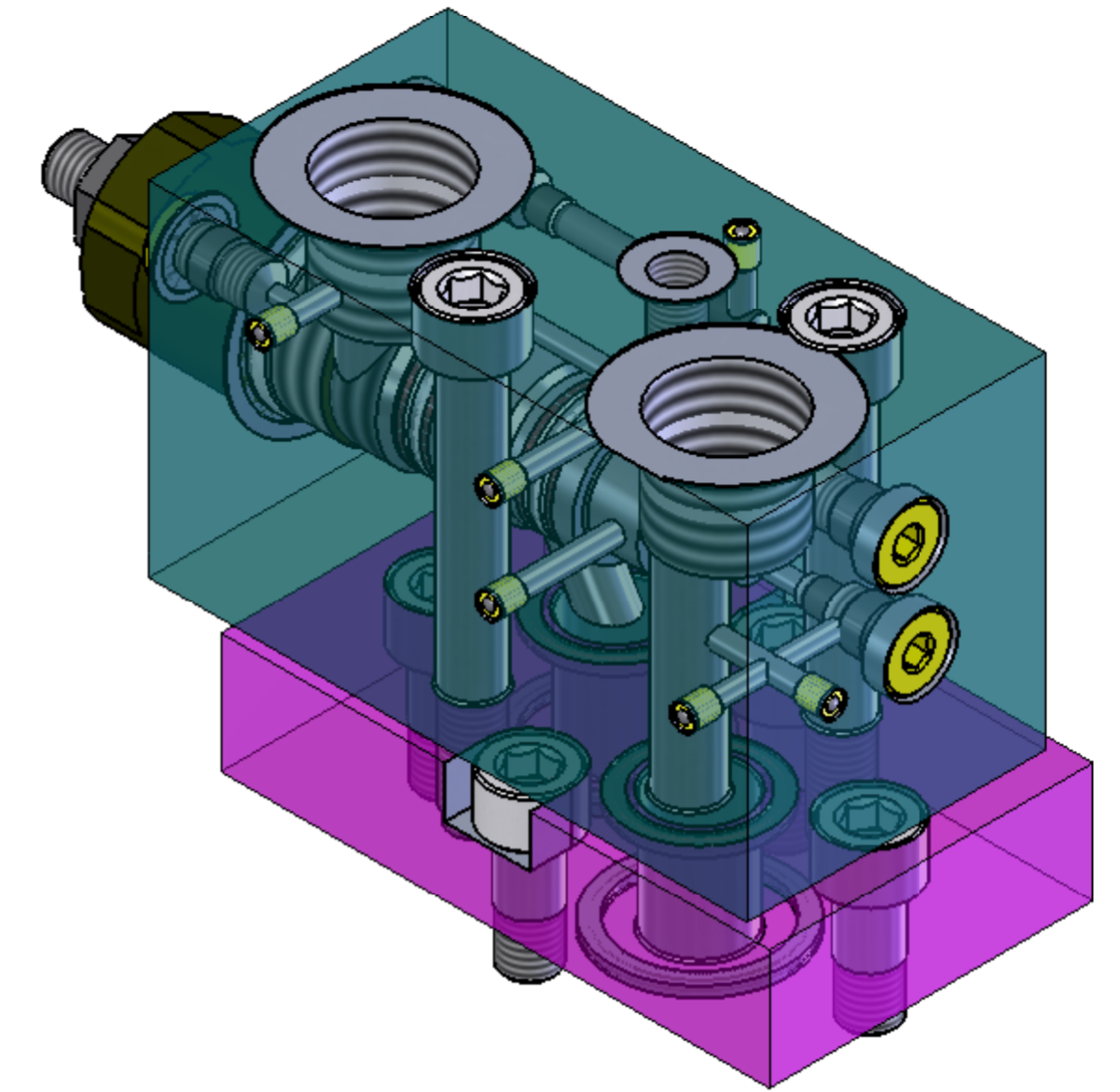
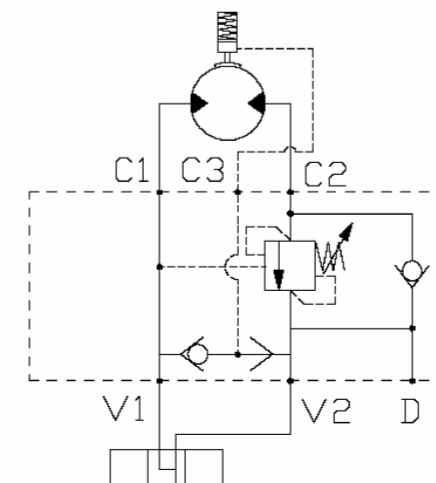
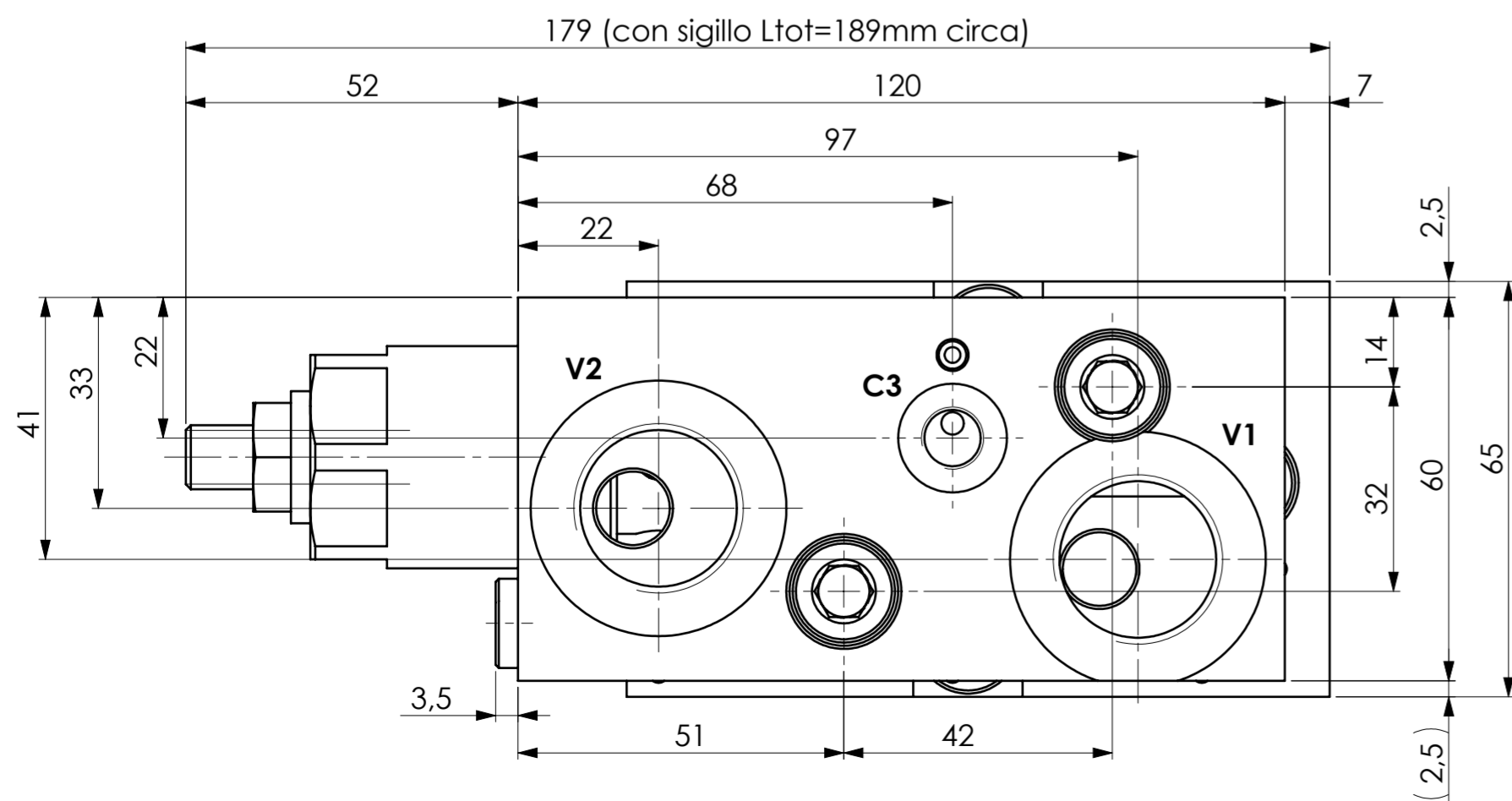
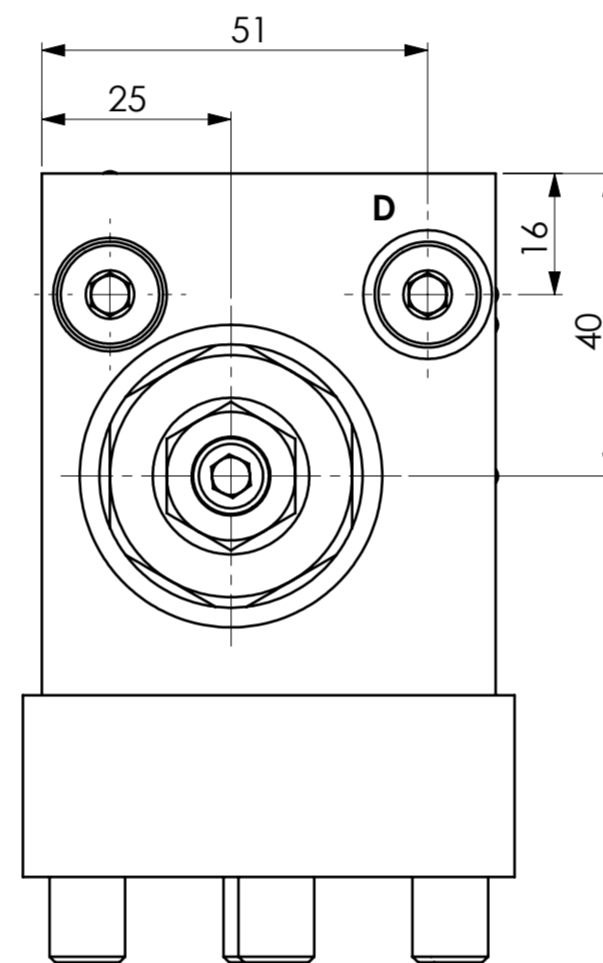
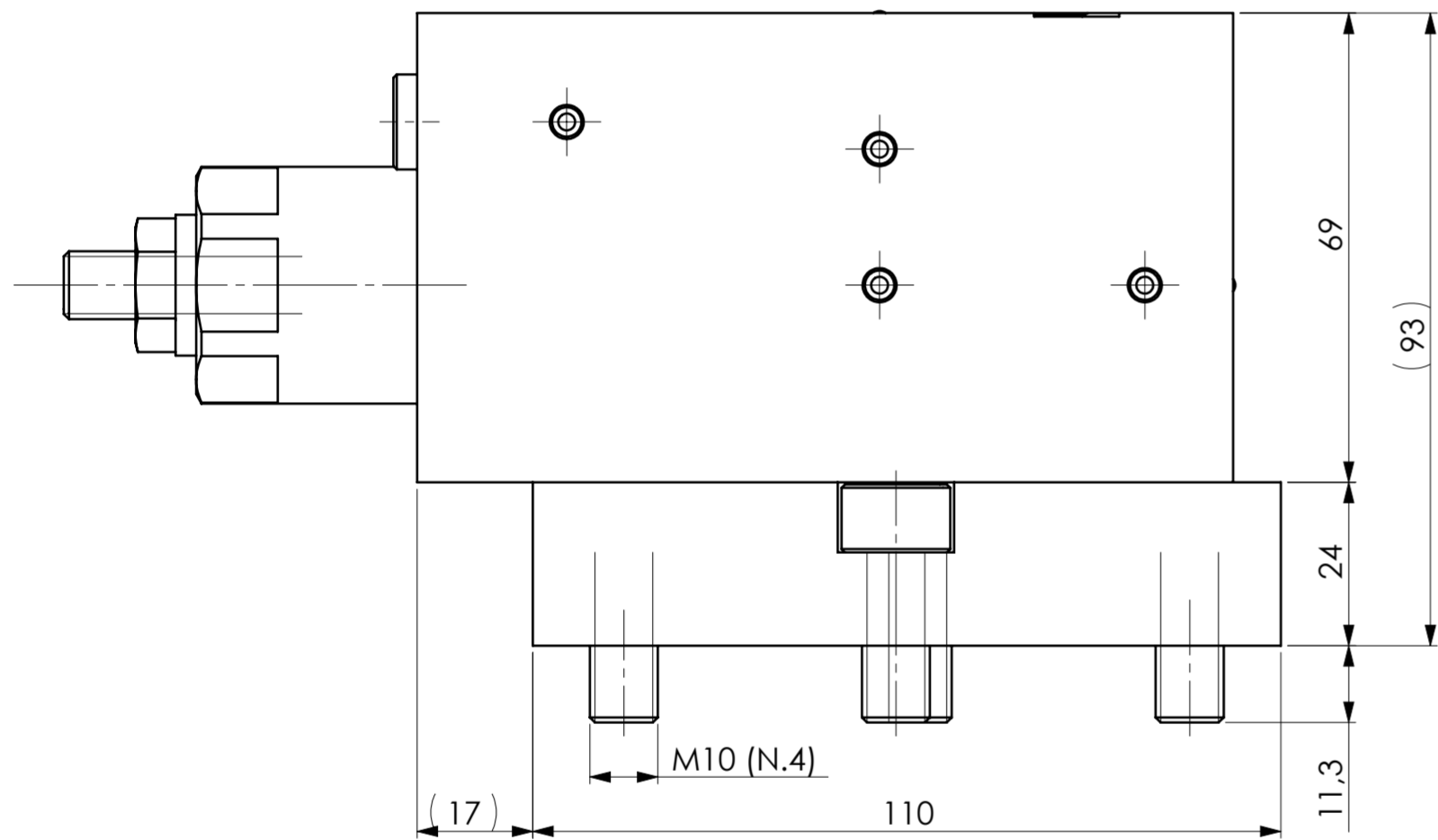
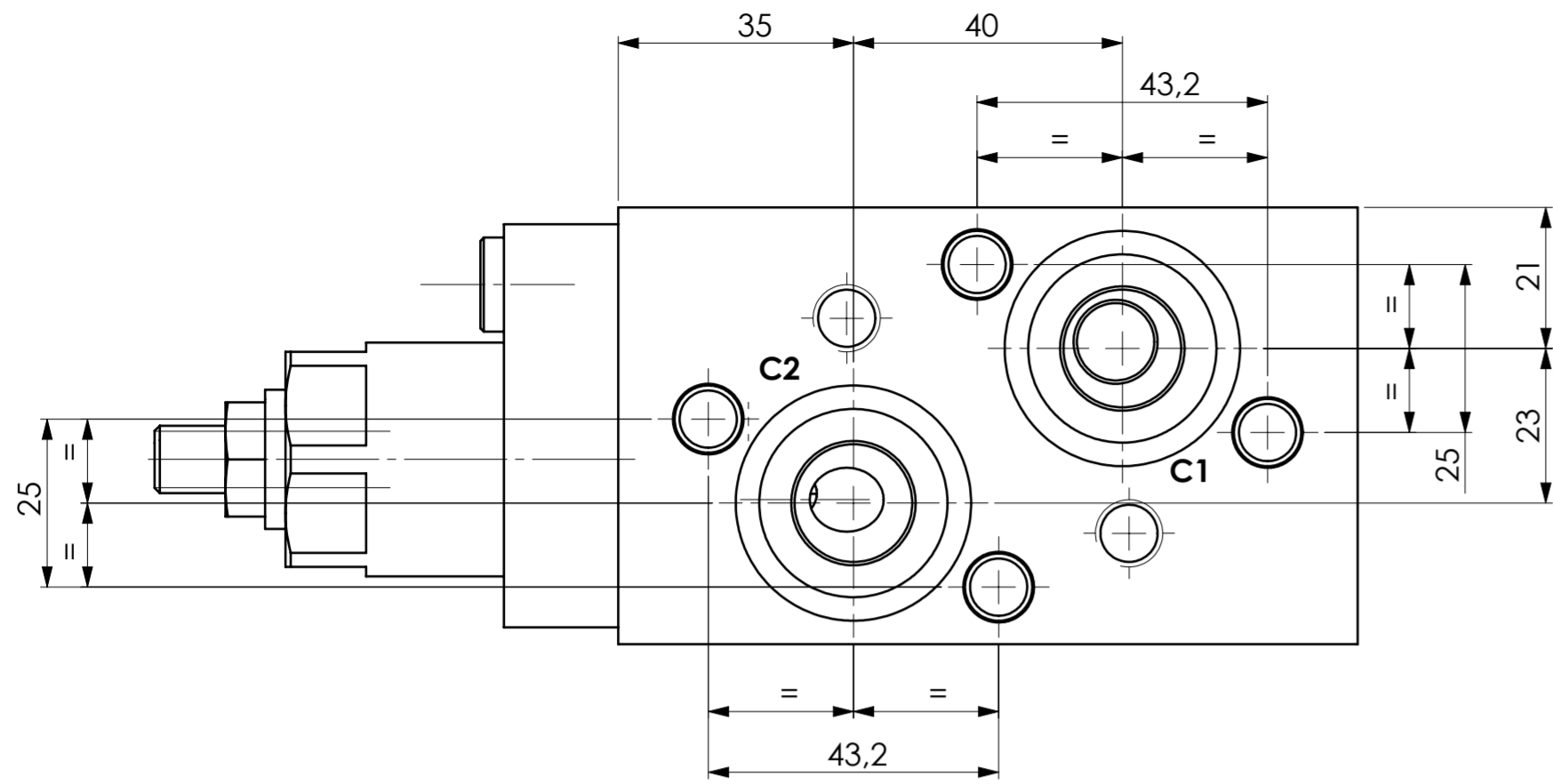


DINAMIC OIL 4380412 (DERIVATA DA 438010600)

TOLLERANZE GENERALI COME DA NS. NORME CON QUALITA' MEDIA PRECISA

MODIFICHE	5			VERIFICATORE	DATA	
	4				10-05-07	
	3			DISEGNATORE	DATA	
	2				10-05-07	
	1				GRUPPO	
NOTE						VALVOLA OVC SEMPLICE CON SBLOCCO FRENO
	SPEC. TECNICHE	TRATT. TERMICO	MATERIALE			
1		Tipo	Sigla UNI Alluminio			
2		Durezza	Stato fornitura			
		Superficie finale	Dimensioni			
				SCALA	CODICE PARTICOLARE	
				1:1	B06929102	

IL DISEGNO E' DI NOSTRA ESCLUSIVA PROPRIETA' E VA SEMPRE RESO



P226-R3

VALVOLA OVERCENTRE FLANGIABILE

DATI TECNICI

DIMENSIONE DELLE PORTE

- V1, V2 : 3/4"G
- C3, D : 1/8"G
- C1, C2 : FLANGIABILI (OR 31 18 29.82X2.62 NBR 90 Sh)

CARATTERISTICHE FUNZIONALI

- PORTATA MASSIMA : 100 l/min
- CAMPO DI TARATURA: 100-350 bar
- RAPPORTO DI PILOTAGGIO : R3:1

ALTRE INFORMAZIONI

- MATERIALE DEL CORPO : ALLUMINIO ANODIZZATO
- MATERIALE DELLA PIASTRA : ALLUMINIO ANODIZZATO
- MASSA COMPLESSIVA : 2.1 kg

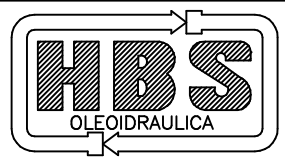
MODIFICHE		TOLLERANZE GENERALI COME DA NS. NORME CON QUALITÀ: MEDIA PRECISA	
5		VERIFICATORE	DATA
4			13/12/07
3		DISEGNATORE	DATA
2			13/12/07
1		GRUPPO	

NOTE	SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	PARTICOLARE
1		Tipo	Sigla UNI	SCHEMA
2		Durezza	Stato fornitura	
3		Superficie finale senza ossidi	Dimensioni	

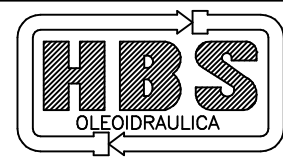
SCHEMA		CODICE PARTICOLARE	
P226-R3		P226-R3	



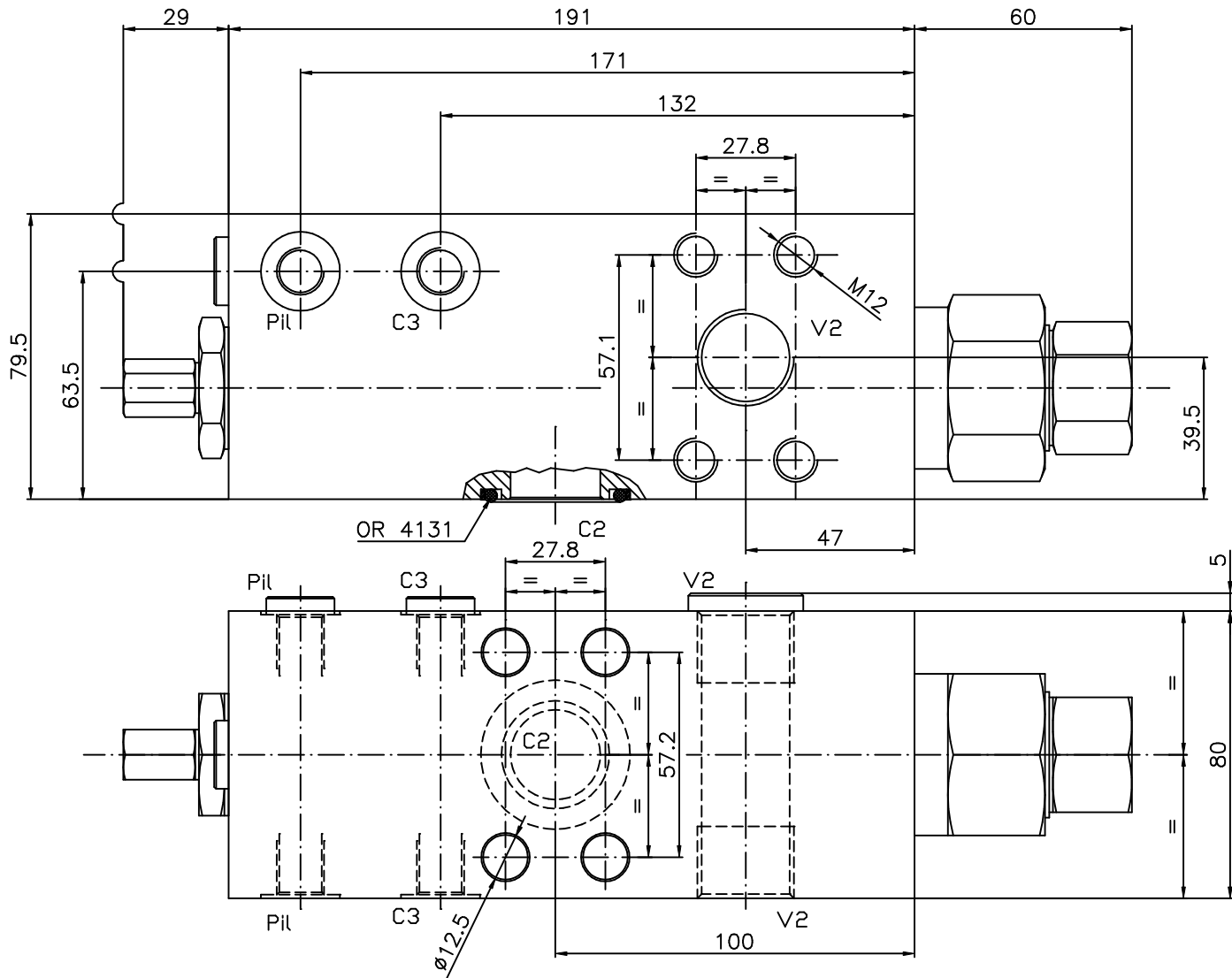
IL DISEGNO È DI NOSTRA ESCLUSIVA PROPRIETÀ E VA SEMPRE RESE



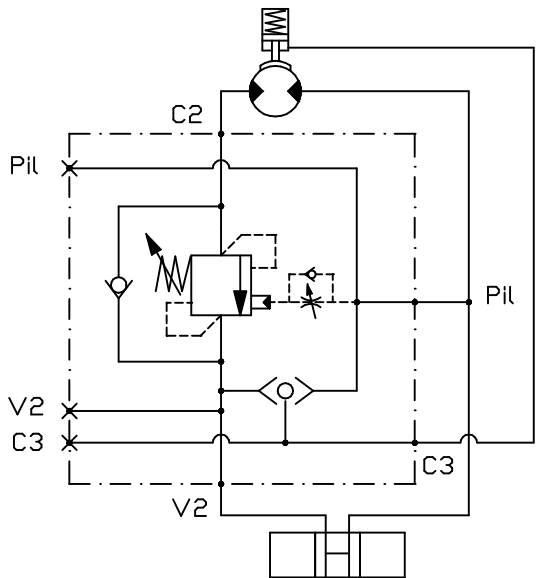
VALVOLA OVERCENTRE SEMPLICE FLANGIABILE
PER ARGANI
SINGLE FLANGEABLE OVERCENTRE VALVE
FOR WINCHES



DIMENSIONI/DIMENSION



SCHEMA IDRAULICO / HYDRAULIC DIAGRAM



DESCRIZIONE/DESIGN

Valvola overcentre semplice flangiabile per il controllo di argani.

Single flangeable overcentre valve for winches

O-ring for flange: OR 4131 32.92x3.53 NBR 70 Sh

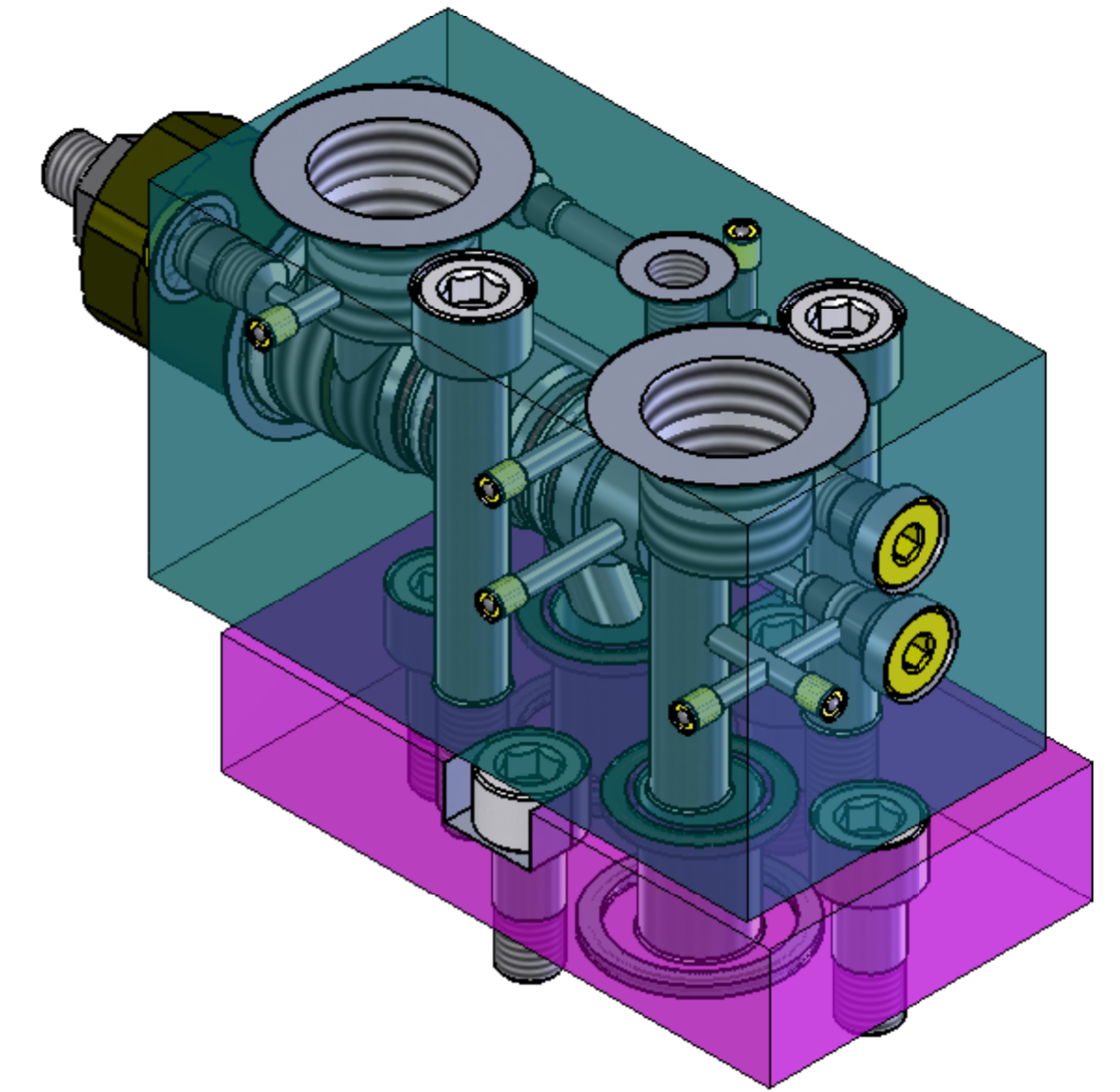
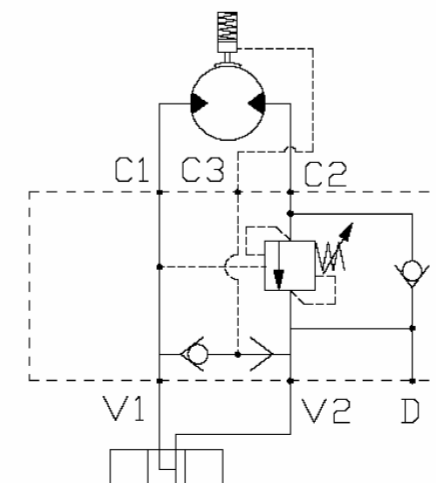
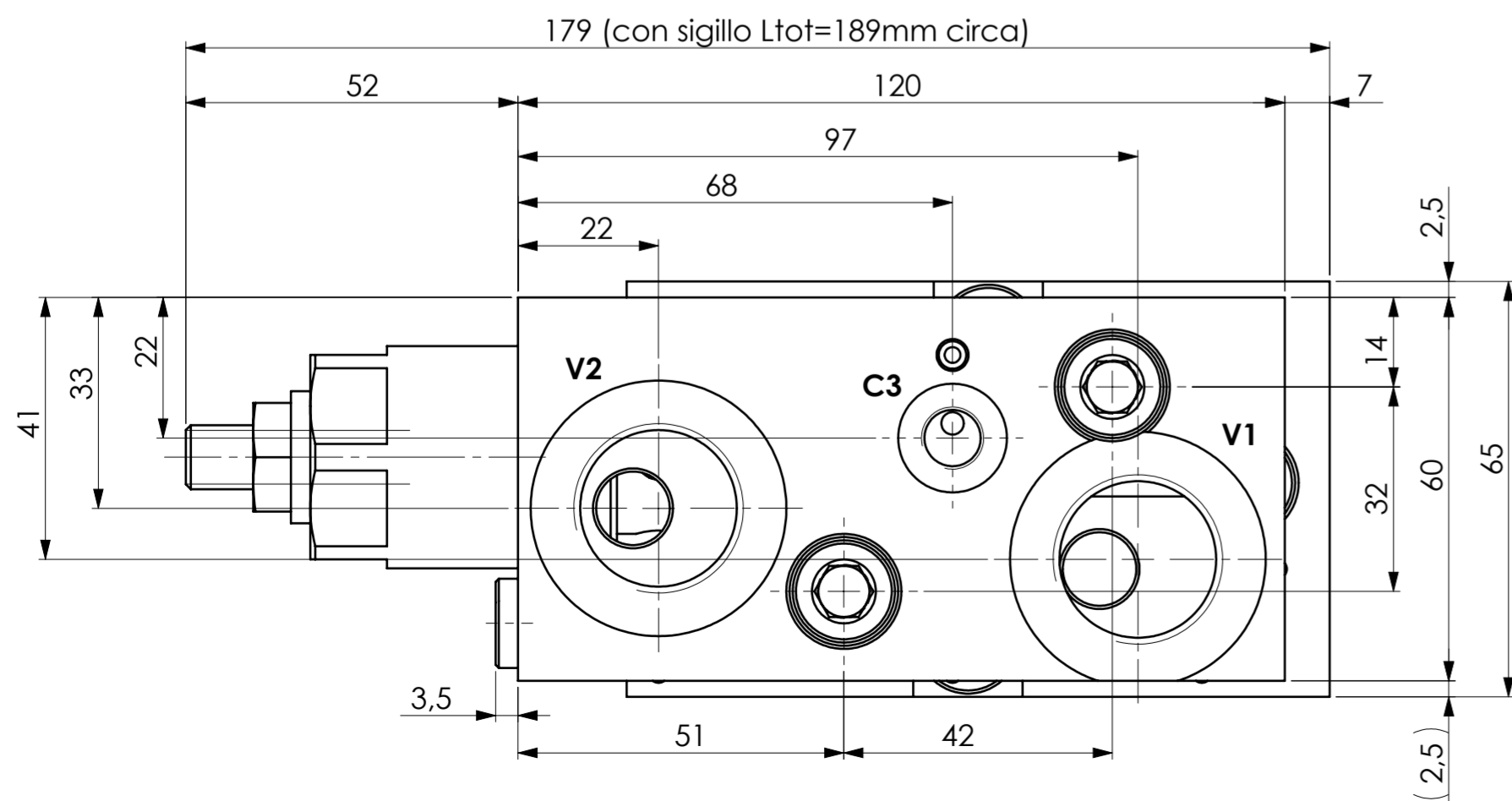
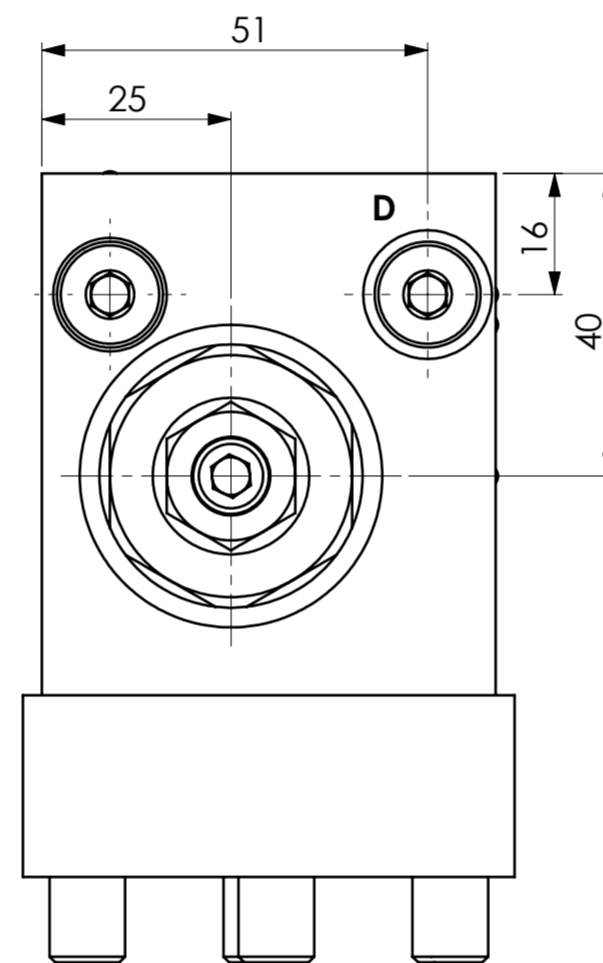
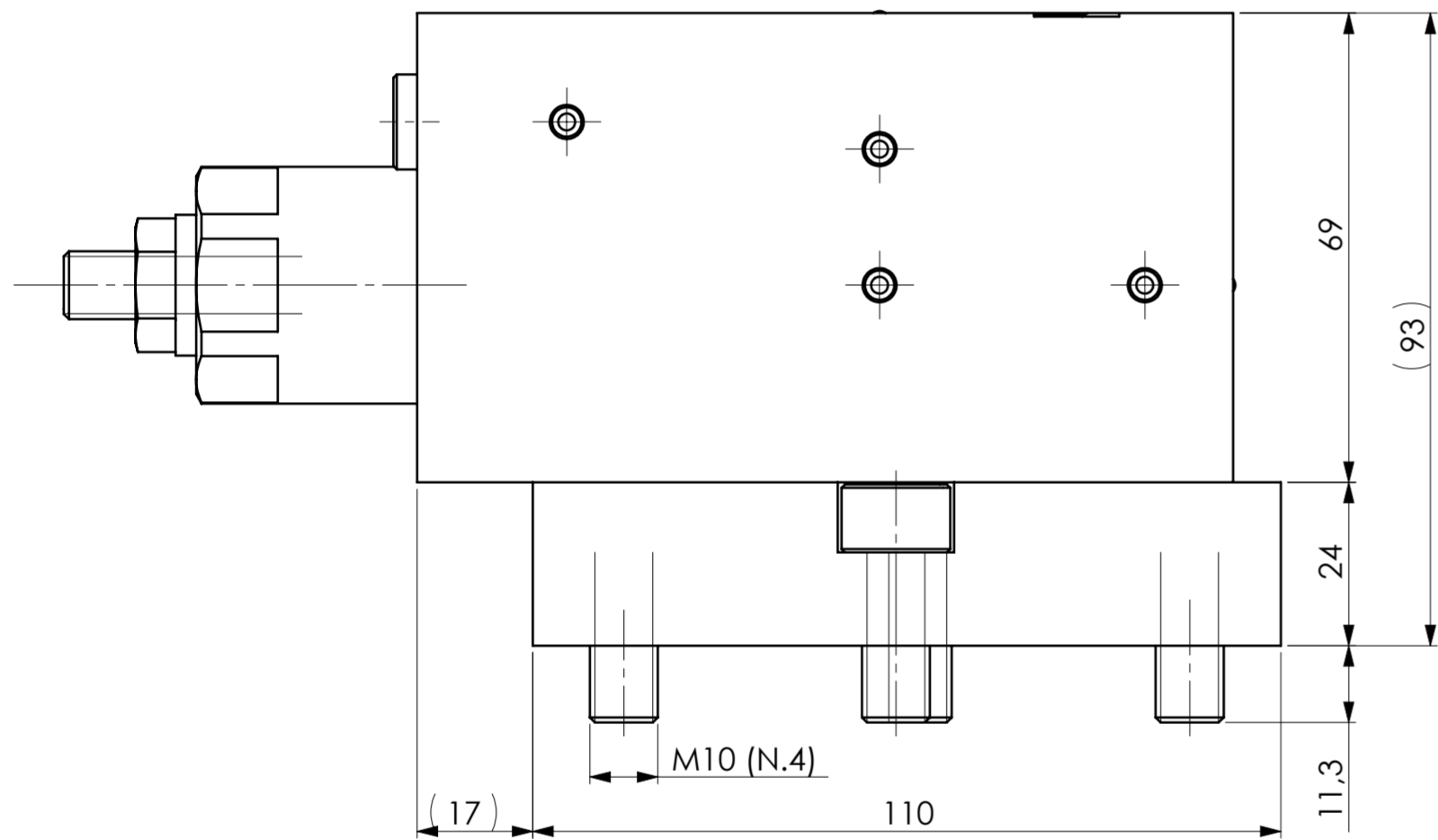
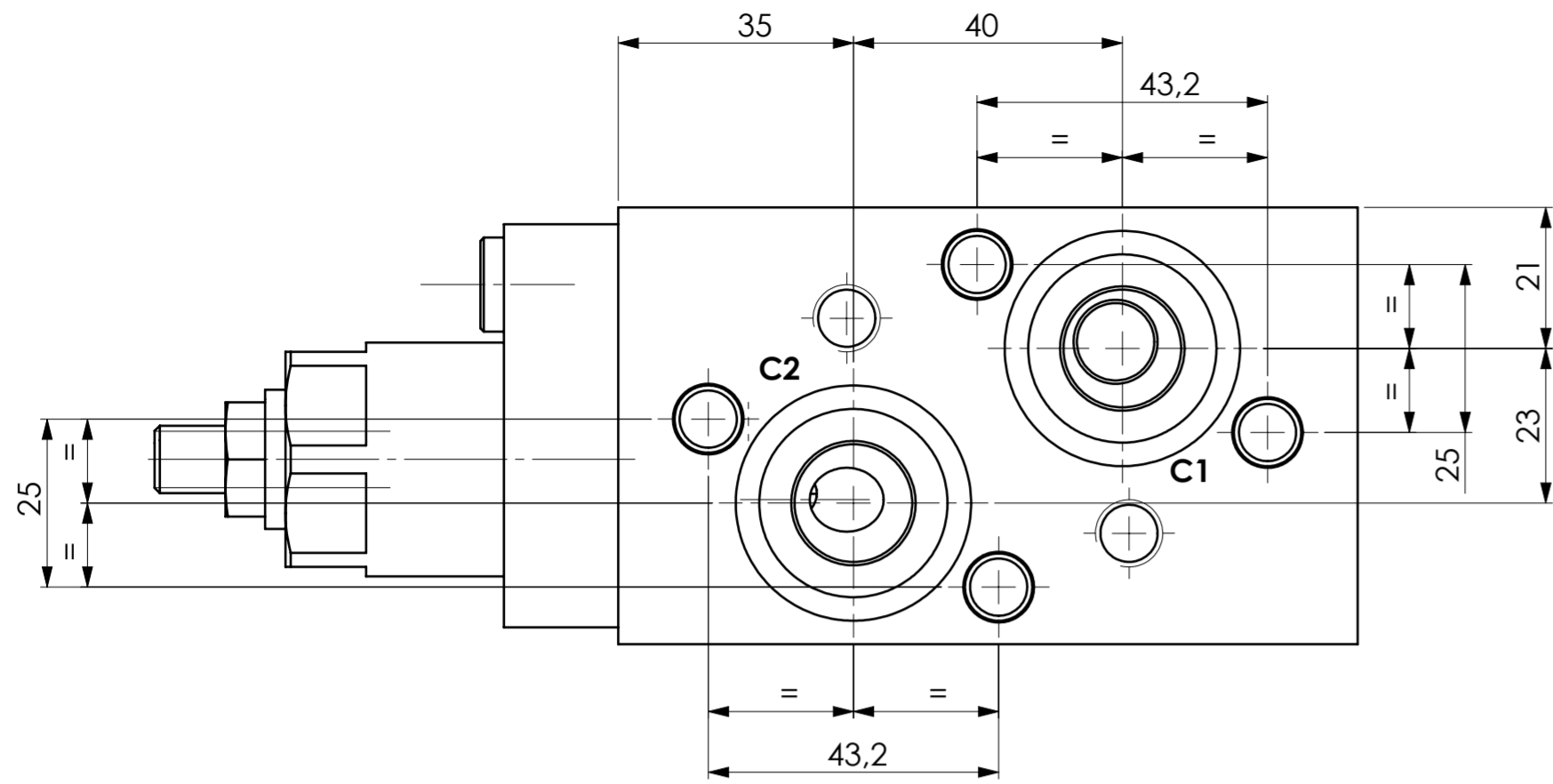
Housing material: zinc plated steel

ATTACCHI / PORT SIZE

V2-C2	C3-P
1 SAE 6000	1/4"G

CODICI DI ORDINAZIONE VALVOLE / ORDERING VALVES CODE

CODICE ORDINAZIONE ORDERING CODE	RAPPORTO DI PILOTAGGIO PILOT RATIO	CAMPO TARATURA (bar) ADJUSTANCE PRESSURE RANGE(bar)	TARATURA STANDARD(bar) STANDARD SETTING(bar)	INCREMENTO PER GIRO (bar) PRESSURE INCREASE (bar)/TURN	PORTATA MAX (l/min) MAX FLOW (l/min)	PRESSIONE MAX (bar) MAX. PEAK PRESSURE (bar)	PESO Kg WEIGHT Kg
P186	13:1	250-500	500	102	350	500	8.9



P226-R3

VALVOLA OVERCENTRE FLANGIABILE

DATI TECNICI

DIMENSIONE DELLE PORTE

- V1,V2 : 3/4"G
- C3,D : 1/8"G
- C1,C2 : FLANGIABILI (OR 31 18 29.82X2.62 NBR 90 Sh)

CARATTERISTICHE FUNZIONALI

- PORTATA MASSIMA : 100 l/min
- CAMPO DI TARATURA: 100-350 bar
- RAPPORTO DI PILOTAGGIO : R3:1

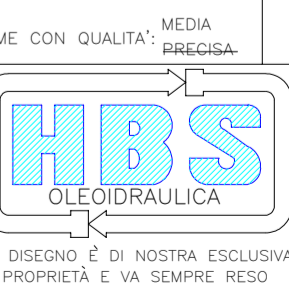
ALTRE INFORMAZIONI

- MATERIALE DEL CORPO : ALLUMINIO ANODIZZATO
- MATERIALE DELLA PIASTRA : ALLUMINIO ANODIZZATO
- MASSA COMPLESSIVA : 2.1 kg

MODIFICHE		TOLLERANZE GENERALI COME DA NS. NORME CON QUALITÀ: MEDIA PRECISA	
5		VERIFICATORE	DATA
4			13/12/07
3		DISEGNATORE	DATA
2			13/12/07
1		GRUPPO	

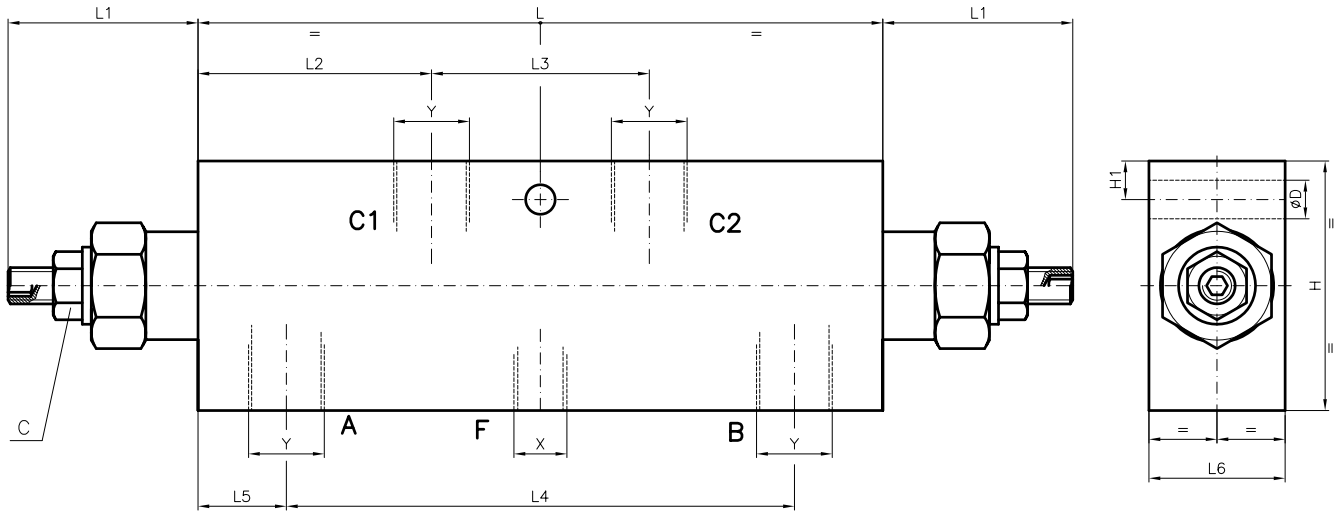
NOTE	SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	PARTICOLARE
1		Tipo	Sigla UNI	SCHEMA TECNICO
2		Durezza	Stato fornitura	
3		Superficie finale senza ossidi	Dimensioni	

SCALA	CODICE PARTICOLARE
	P226-R3



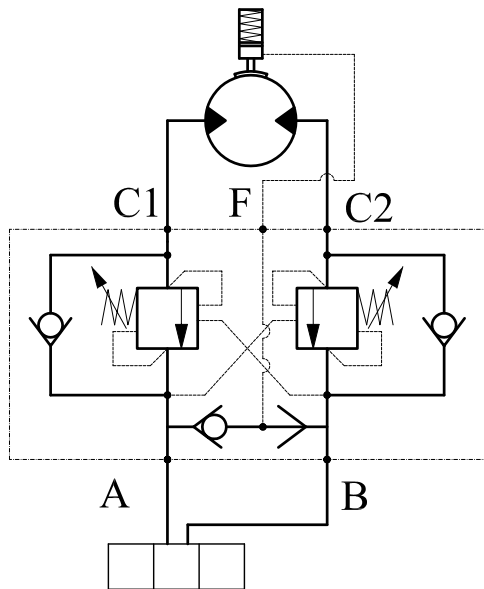
IL DISEGNO È DI NOSTRA ESCLUSIVA PROPRIETÀ E VA SEMPRE RESEO

DIMENSIONI/DIMENSION



151	~42	51.5	48	112	19.5	35	65	11	HEX13	Ø8.5	1/4"G	1/2"G	2.1 Kg
151	~42	51.5	48	112	19.5	30	55	8.5	HEX13	Ø8.5	1/4"G	3/8"G	1.7 Kg
L	L1	L2	L3	L4	L5	L6	H	H1	C	D	X	Y	PESO WEIGHT

SCHEMA IDRAULICO / HYDRAULIC DIAGRAM



DESCRIZIONE/DESIGN

Valvola di blocco con ritenuta su ambedue gli utilizzi, apertura modulabile, protezione con pressione di ritenuta regolabile. Dotata di sblocco freno. Consigliata per comandi a centro aperto.

Dual block valve in line. Free flow A towards C1 and B towards C2, perfect seal C1 towards A and C2 toward B trough adjustable check valves and operated pilot valve. Provided with the unclamping of the motor brake. Recommended for open centre controls.

PIOMBATURA/SEALING

CODICE ORDINAZIONE/ORDERING CODE

916003

CODICI DI ORDINAZIONE VALVOLE / ORDERING VALVES CODE

CODICE ORDINAZIONE ORDERING CODE	RAPPORTO DI PILOTTAGGIO PILOT RATIO	CAMPO TARATURA (bar) ADJUSTANCE PRESSURE RANGE(bar)	TARATURA STANDARD(bar) STANDARD SETTING(bar)	INCREMENTO PER GIRO (bar) INCREASE (bar)/TURN	CAMPO DI PORTATA (l/min) FLOW RANGE (l/min)	PRESSIONE MAX (bar) MAX. PEAK PRESSURE (bar)	Y	PESO Kg WEIGHT Kg
A07036151.00	4.3:1	100-350	350	135	5-45	500	3/8"G	1.7
A07036152.00	11:1	100-450	350	115	5-45	500	3/8"G	1.7
A07046151.00	4.3:1	100-350	350	135	30-60	500	1/2"G	2.1
A07046152.00	11:1	100-450	350	115	30-60	500	1/2"G	2.1



VALVOLA DI BLOCCO BILANCIATA DOPPIA
IN LINEA PER CENTRO APERTO
DUAL OVERCENTER VALVES IN LINE
FOR OPEN CENTRE

Pag. 07.06.01

DATI TECNICI / TECHNICAL DATA

● MATERIALI USATI / MATERIAL EMPLOYED

CORPO/BODY: Acciaio zincato/zinc plated steel

COMPONENTI/VALVES: Acciaio trattato/Hardened steel

GUARNIZIONI/SEALS: Buna N, PTFE

● CONDIZIONI DI FUNZIONAMENTO / OPERATIONAL RANGE

MONTAGGIO / MOUNTING:

orientamento a piacere / as preferred.

TEMPERATURE / TEMPERATURES:

Consigliate d'esercizio da +40°C a +70°C / Ideal operating range between +40°C and +70°C

Massima d'esercizio +90°C / Max operating temperature +90°C

Minima/Massima ambientale -20°C/+60°C / Min/Max environment temps. -20°C/+60°C

OLIO / OIL:

Minerale con viscosità da 16 a 90 cSt (SAE10-SAE30) / Mineral oil with viscosity between 16 and 90 cSt (SAE10 a SAE30)

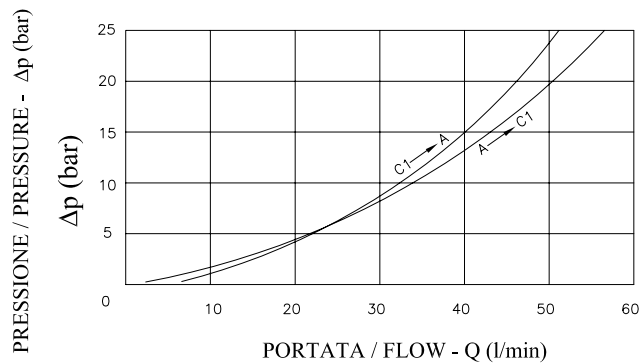
Indice di viscosità minimo 110 / Min index of viscosity 110

Indice di viscosità consigliato 150 / Recommended index of viscosity 150

FILTRAGGIO:

Consigliato 50 Micron o inferiore / Recommended 50 microns or less

CURVE CARATTERISTICHE / PERFORMANCE CURVES



NOTE

Condizioni tecniche delle rilevazioni:

Tolio: 50°C; volio: 16 cSt; Tamb: 20°C

Test conditions:

Tolio: 50°C; volio: 16 cSt; Tamb: 20°C

ANNOTAZIONI / ANNOTATIONS

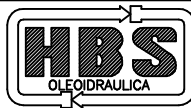
SONO DISPONIBILI VERSIONI FLANGIABILI PER MOTORI IDRAULICI

FLANGEABLE VERSIONS FOR HYDRAULIC MOTORS ARE AVAILABLE

SETTORI APPLICATIVI / APPLICATION FIELDS



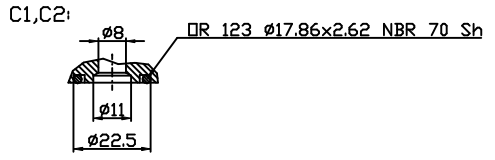
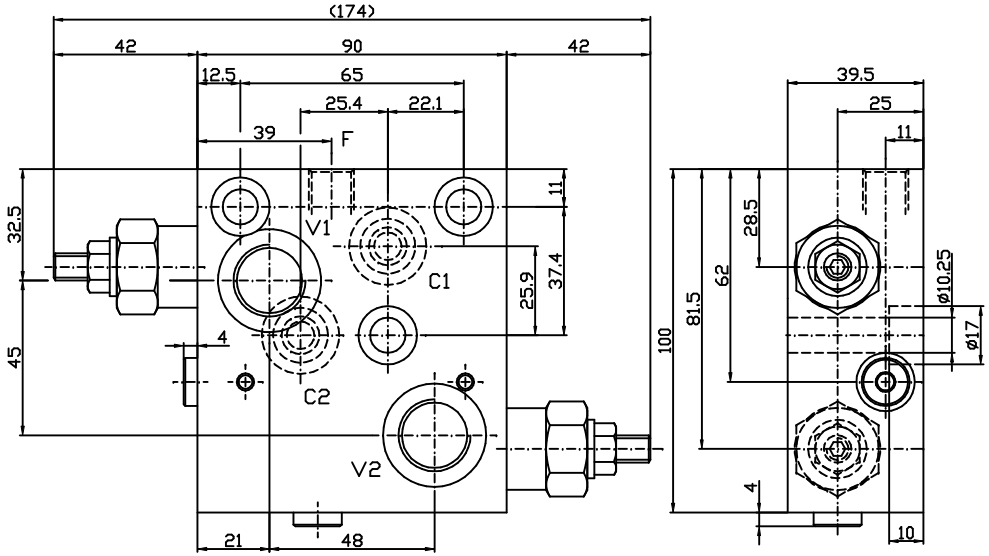
VALVOLA DI BLOCCO BILANCIATA DOPPIA
PER MOTORI ORBITALI
DOUBLE OVERCENTER VALVE
FOR ORBITAL MOTORS



VALVOLA DI BLOCCO BILANCIATA DOPPIA
PER MOTORI ORBITALI
DOUBLE OVERCENTER VALVE
FOR ORBITAL MOTORS

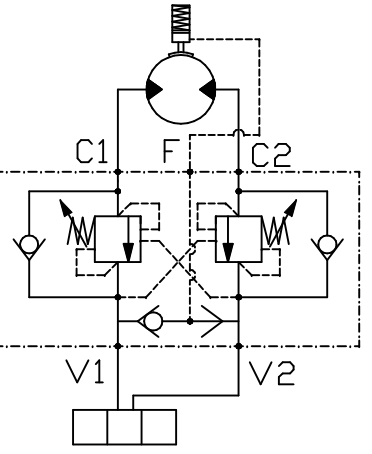


DIMENSIONI/DIMENSION



PORT SIZE
V1,V2:1/2"G
F: 1/4"G

SCHEMA IDRAULICO / HYDRAULIC DIAGRAM



DESCRIZIONE/DESIGN

Valvola di blocco bilanciata doppia, flangiabile, con ritenuta su ambedue gli utilizzi, protezione con pressione di ritenuta regolabile. Dotata di sblocco freno motore. Consigliata per comandi a centro aperto.

Flangeable double overcenter valve. Free flow V1 towards C1 and V2 towards C2, perfect seal C1 from V1 and C2 from V2 through adjustable check valves and operated pilot valves. Provided with the unclamping of the motor brake. Recommended for open centre controls.

PIOMBATURA/SEALING

CODICE ORDINAZIONE/ORDERING CODE

916003

CODICI DI ORDINAZIONE VALVOLE / ORDERING VALVES CODE

CODICE ORDINAZIONE ORDERING CODE	RAPPORTO DI PILOTAGGIO PILOT RATIO	CAMPO TARATURA (bar) ADJUSTANCE PRESSURE RANGE(bar)	TARATURA STANDARD(bar) STANDARD SETTING(bar)	INCREMENTO PER GIRO (bar) INCREASE (bar)/TURN	CAMPO DI PORTATA (l/min) FLOW RANGE (l/min)	PRESSIONE MAX (bar) MAX. PEAK PRESSURE (bar)	PESO Kg WEIGHT Kg
A070481.55.00	4.25:1	100-350	280	135	30-60	500	-

DATI TECNICI / TECHNICAL DATA

- MATERIALI USATI / MATERIAL EMPLOYED**
CORPO/BODY: Alluminio/Aluminium
COMPONENTI/VALVES: Acciaio trattato/Hardened steel
GUARNIZIONI/SEALS: Buna N, PTFE
- CONDIZIONI DI FUNZIONAMENTO / OPERATIONAL RANGE**

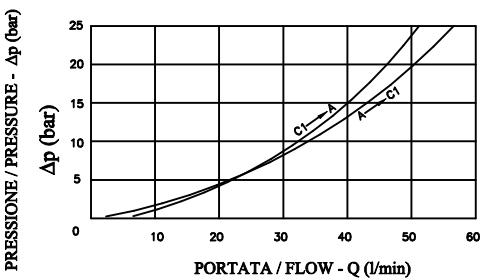
MONTAGGIO / MOUNTING:
orientamento a piacere / as preferred.

TEMPERATURE / TEMPERATURES:
Consigliate d'esercizio da +40°C a +70°C / Ideal operating range between +40°C and +70°C
Massima d'esercizio +90°C / Max operating temperature +90°C
Minima/Massima ambientale -20°C/+60°C / Min/Max environment temps. -20°C/+60°C

OLIO / OIL:
Minerale con viscosità da 16 a 90 cSt (SAE10-SAE30) / Mineral oil with viscosity between 16 and 90 cSt (SAE10 a SAE30)
Indice di viscosità minimo 110 / Min index of viscosity 110
Indice di viscosità consigliato 150 / Recommended index of viscosity 150

FILTRAGGIO:
Consigliato 50 Micron o inferiore / Recommended 50 microns or less

CURVE CARATTERISTICHE / PERFORMANCE CURVES

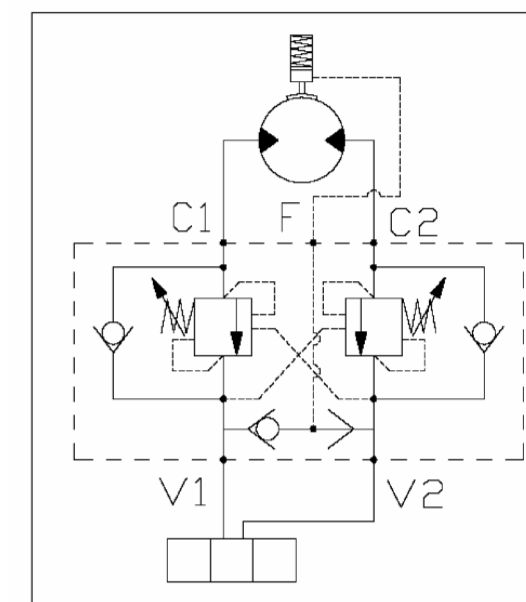
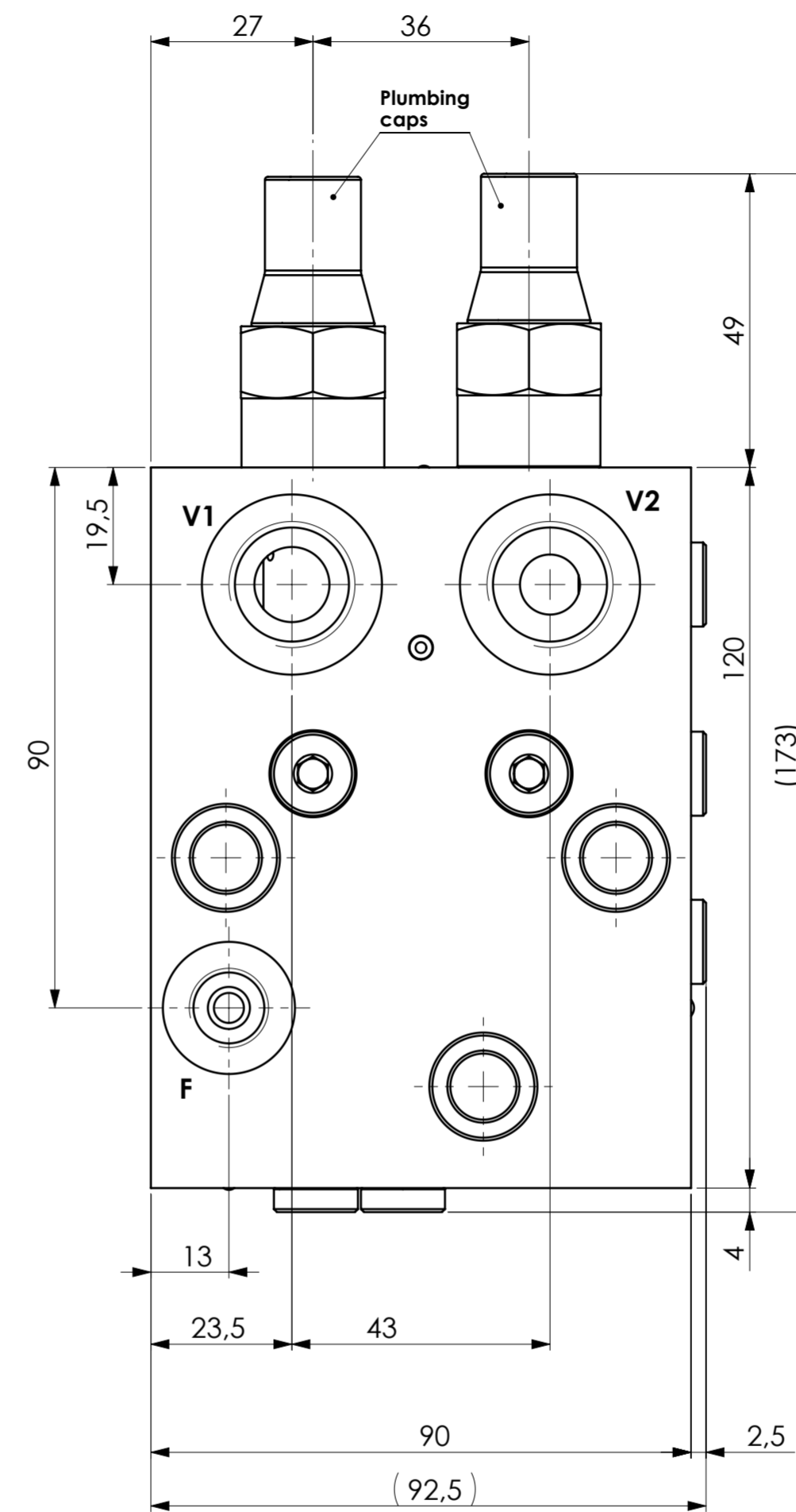
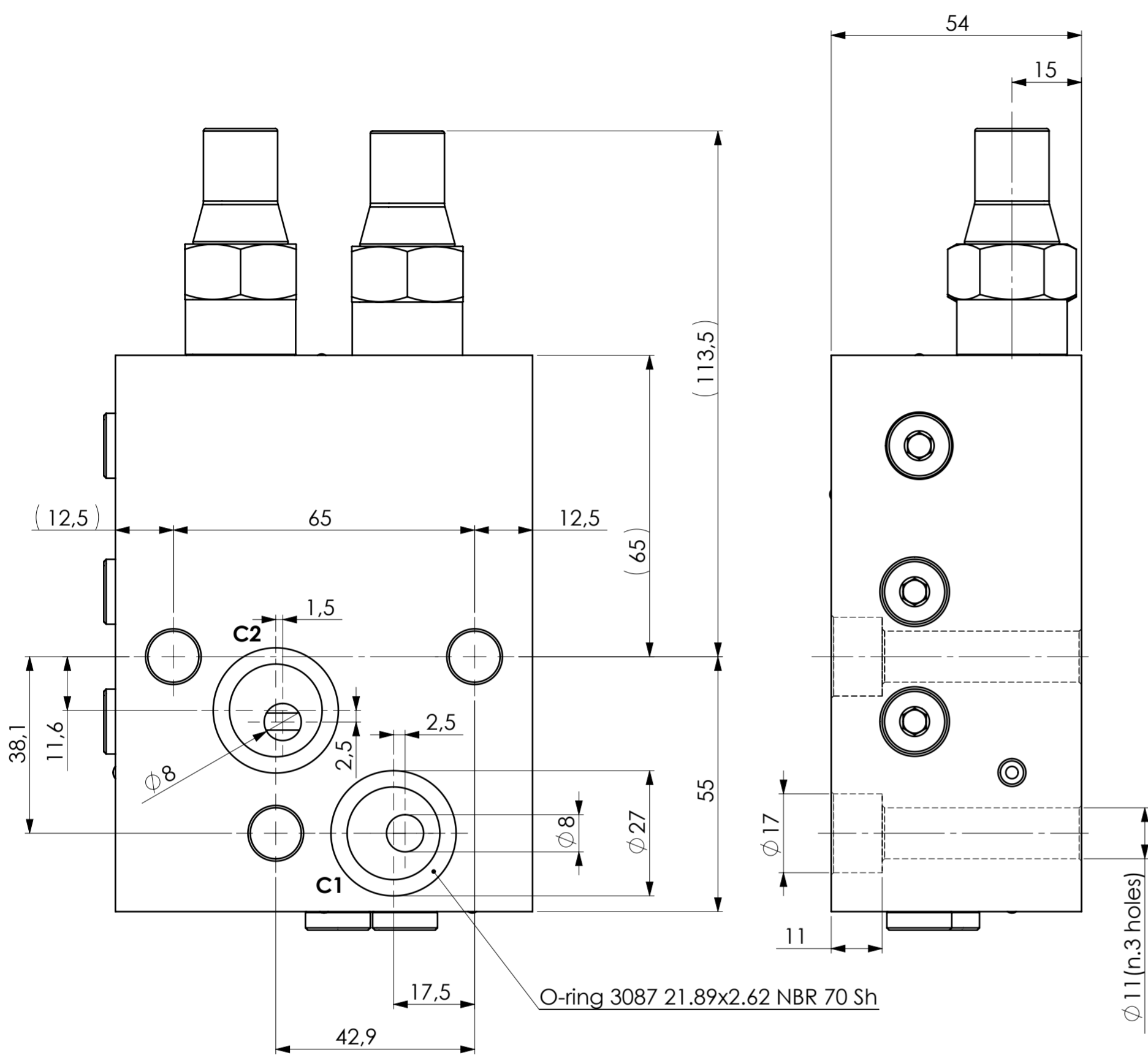


NOTE
Condizioni tecniche delle rilevazioni:
Tolio: 50°C; voilo:16 cSt; Tamb:20°C
Test conditions:
Tolio: 50°C; voil:16 cSt; Tamb:20°C

**ANNOTAZIONI
ANNOTATION**

OR FOR PORTS C1,C2:
OR 123 Ø17.86x2.62 NBR 70 Sh

THIS VALVE IS SUITABLE TO BE FLANGED ON
EATON ORBITAL MOTORS (2000 SERIES)



**P223 - DUAL OVERCENTRE VALVE
FLANGEABLE ON EATON 2000**

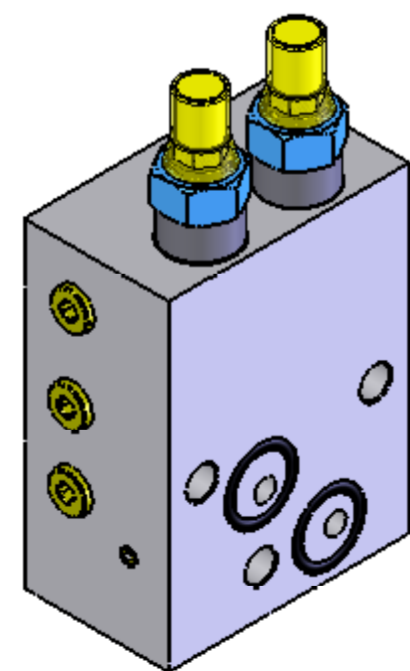
TECHNICAL DATA

SETTING RANGE : 100-350 bar
 SETTING PRESSURE : 210 bar
 MAX FLOW RATE : 60 L/MIN
 PILOT RATIO : 4.3:1

PORTS DIMENSION
 - V1, V2 : 1/*2"G
 - F : 1/4"G
 - C1, C2 : FLANGEABLE

BODY MATERIAL :
 ALUMINIUM

WEIGHT :
 1.70 Kg



O-ring 3087 21.89x2.62 NBR 70 Sh

Ø11 (n.3 holes)

TOLLERANZE GENERALI COME DA NS. NORME CON QUALITA' FINISSIMA

MODIFICHE	5		VERIFICATORE	DATA	 OLEODRAULICA IL DISEGNO È DI NOSTRA ESCLUSIVA PROPRIETÀ E VA SEMPRE RESO
	4			08/11/07	
	3		DISEGNATORE	DATA	
	2			08/11/07	
	1			GRUPPO	
NOTE					
		SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	
	1		Tipo	Sigla UNI	
	2		Durezza	Stato fornitura	
	3		Superficie finale senza ossidi	Dimensioni	
					SCALA
					CODICE PARTICOLARE
					1:1
					P223



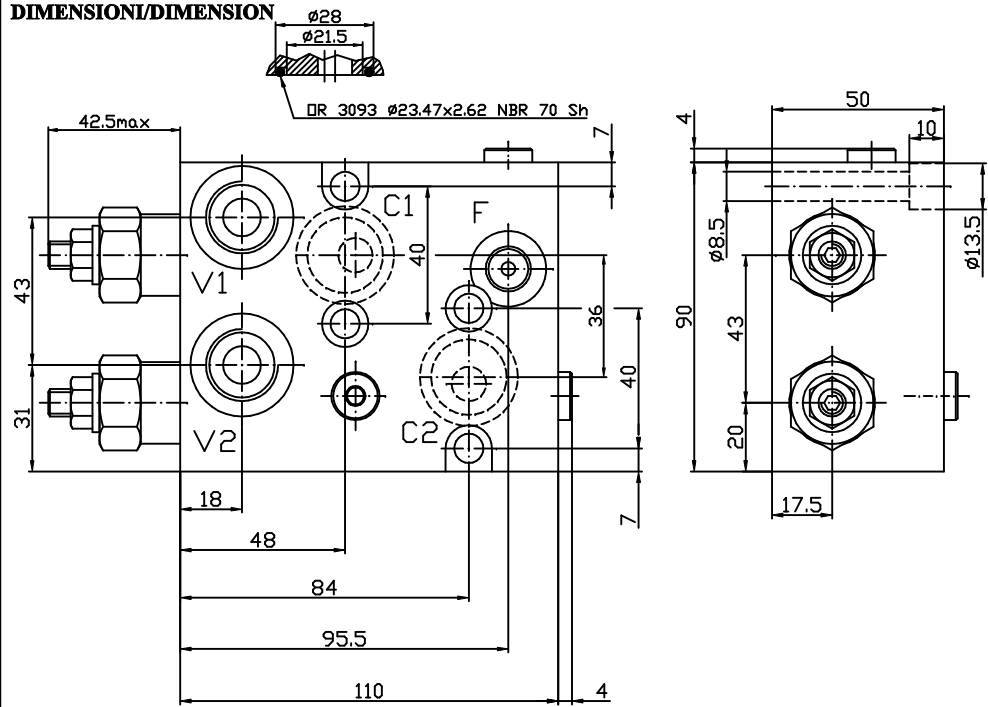
VALVOLA DI BLOCCO BILANCIATA DOPPIA
PER MOTORI ORBITALI
DOUBLE OVERCENTER VALVE
FOR ORBITAL MOTORS



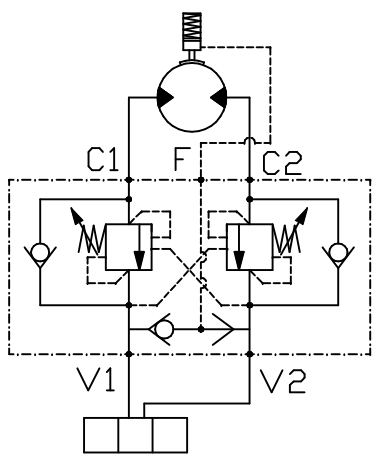
VALVOLA DI BLOCCO BILANCIATA DOPPIA
PER MOTORI ORBITALI
DOUBLE OVERCENTER VALVE
FOR ORBITAL MOTORS



DIMENSIONI/DIMENSION



SCHEMA IDRAULICO / HYDRAULIC DIAGRAM



DESCRIZIONE/DESIGN

Valvola di blocco bilanciata doppia, flangiabile, con ritenuta su ambedue gli utilizzi, protezione con pressione di ritenuta regolabile. Dotata di sblocco freno motore. Consigliata per comandi a centro aperto.

Flangeable double overcenter valve. Free flow V1 towards C1 and V2 towards C2, perfect seal C1 from V1 and C2 from V2 through adjustable check valves and operated pilot valves. Provided with the unclamping of the motor brake. Recommended for open centre controls.

PIOMBATURA/SEALING

CODICE ORDINAZIONE/ORDERING CODE

916003

CODICI DI ORDINAZIONE VALVOLE / ORDERING VALVES CODE

CODICE ORDINAZIONE	RAPPORTO DI PILOTTAGGIO	CAMPO TARATURA (bar)	TARATURA STANDARD (bar)	INCREMENTO PER GIRO (bar)	CAMPO DI PORTATA (l/min)	PRESSIONE MAX (bar)	PESO Kg
ORDERING CODE	PILOT RATIO	ADJUSTANCE PRESSURE RANGE (bar)	STANDARD SETTING (bar)	INCREASE (bar)/TURN	FLOW RANGE (l/min)	MAX. WORK PRESSURE (bar)	WEIGHT Kg
A07048158.00	4.25:1	100-350	280	135	30-60	350	1.6

DATI TECNICI / TECHNICAL DATA

- MATERIALI USATI / MATERIAL EMPLOYED**
CORPO/BODY: Alluminio/Aluminium
COMPONENTI/VALVES: Acciaio trattato/Hardened steel
GUARNIZIONI/SEALS: Buna N, PTFE
- CONDIZIONI DI FUNZIONAMENTO / OPERATIONAL RANGE**

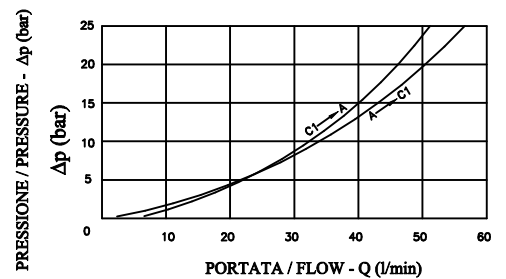
MONTAGGIO / MOUNTING:
orientamento a piacere / as preferred.

TEMPERATURE / TEMPERATURES:
Consigliate d'esercizio da +40°C a +70°C / Ideal operating range between +40°C and +70°C
Massima d'esercizio +90°C / Max operating temperature +90°C
Minima/Massima ambientale -20°C/+60°C / Min/Max environment temps. -20°C/+60°C

OLIO / OIL:
Minerale con viscosità da 16 a 90 cSt (SAE10-SAE30) / Mineral oil with viscosity between 16 and 90 cSt (SAE10 a SAE30)
Indice di viscosità minimo 110 / Min index of viscosity 110
Indice di viscosità consigliato 150 / Recommended index of viscosity 150

FILTRAGGIO:
Consigliato 50 Micron o inferiore / Recommended 50 microns or less

CURVE CARATTERISTICHE / PERFORMANCE CURVES

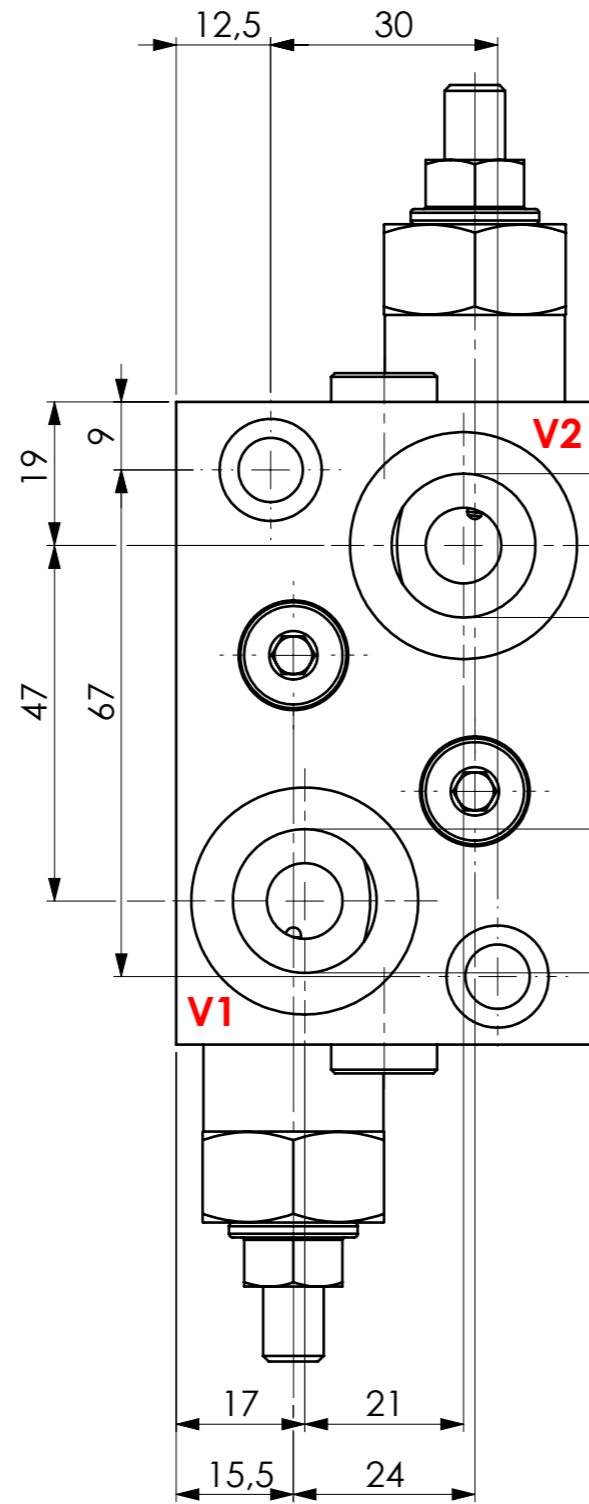
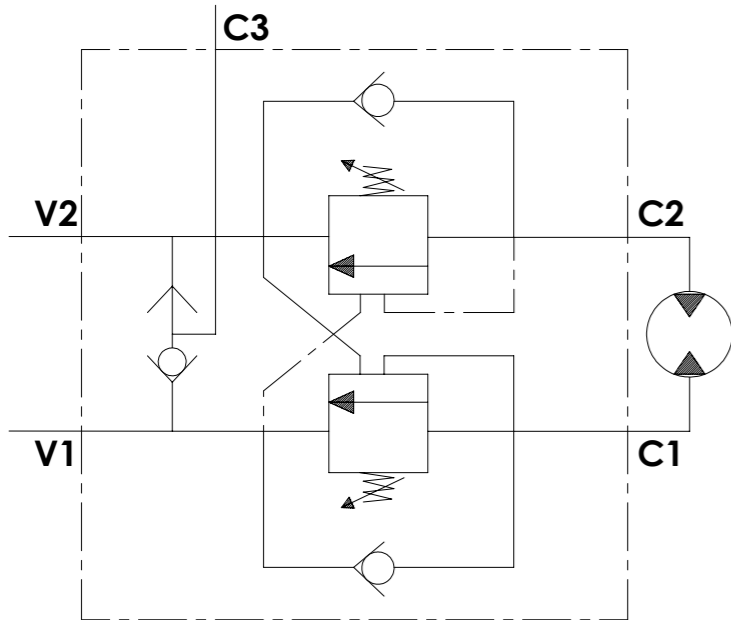
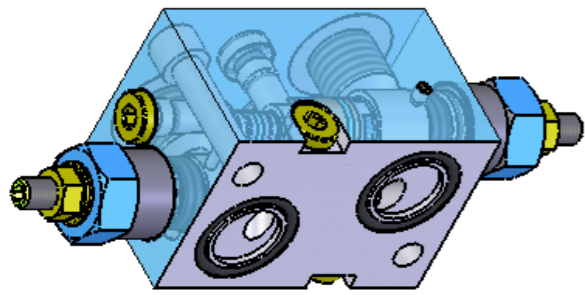


NOTE
Condizioni tecniche delle rilevazioni:
Toil: 50°C; voil:16 cSt; Tamb:20°C
Test conditions:
Toil: 50°C; voil:16 cSt; Tamb:20°C

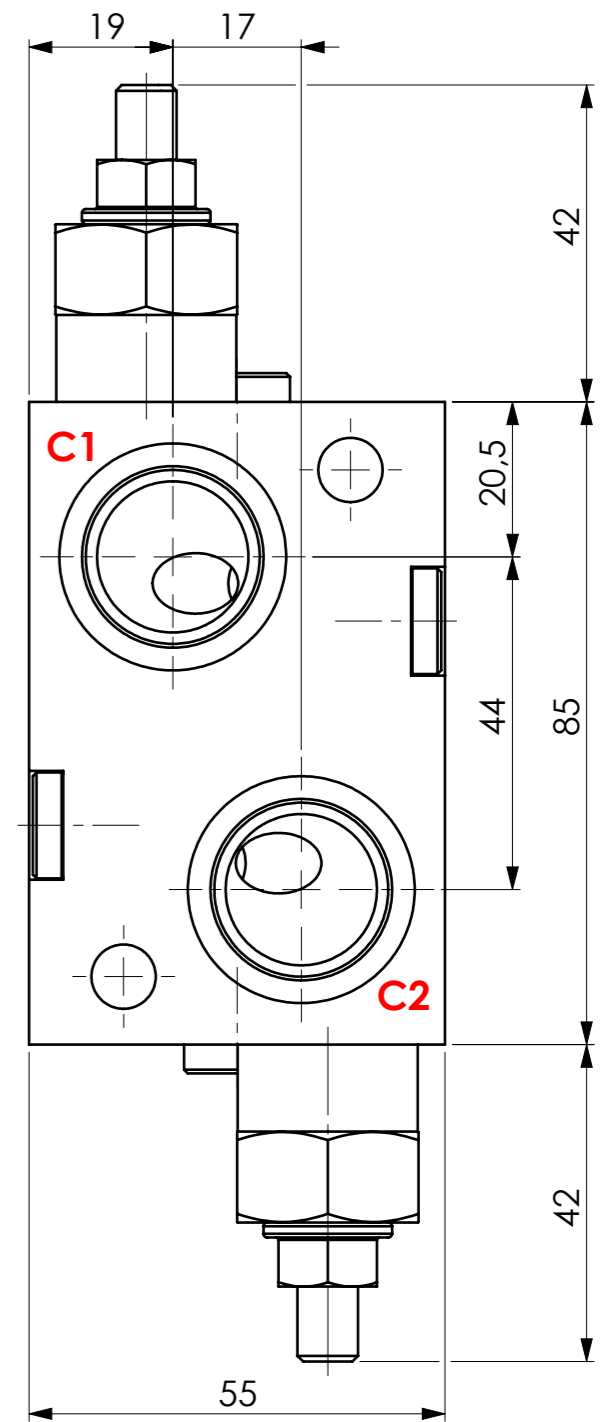
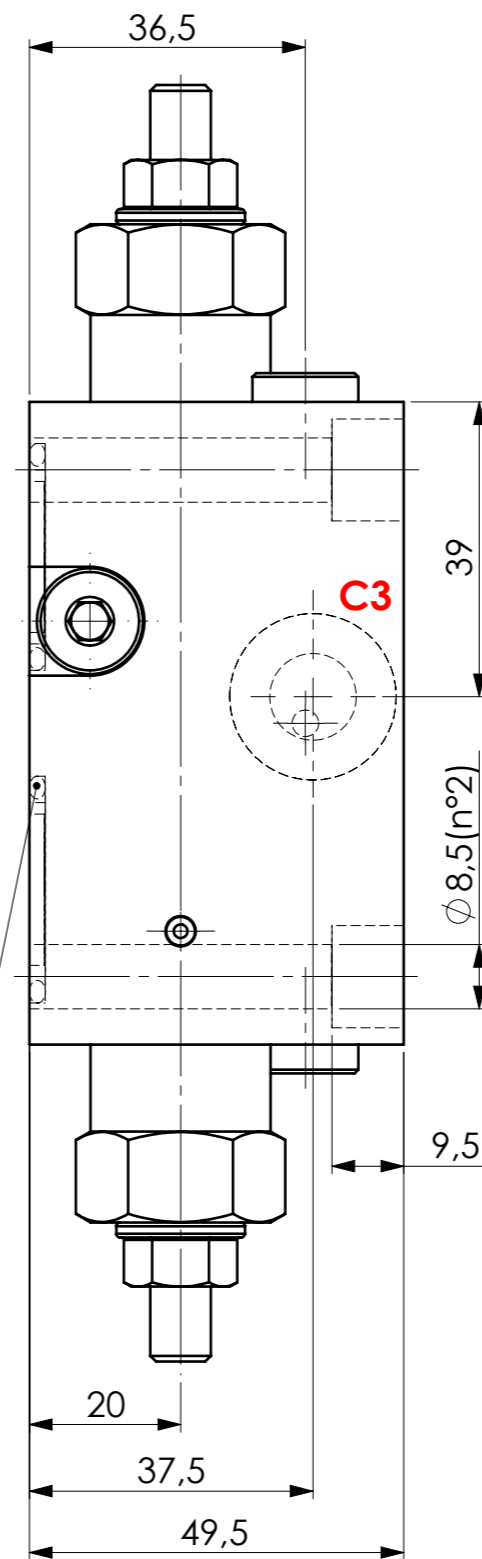
**ANNOTAZIONI
ANNOTATION**

OR FOR PORTS C1,C2:
OR 3093 ø23.47x2.62 NBR 70 Sh

THIS VALVE IS SUITABLE TO BE FLANGED ON DANFOSS ORBITAL MOTORS (OMP SERIE)



O-Ring 3100



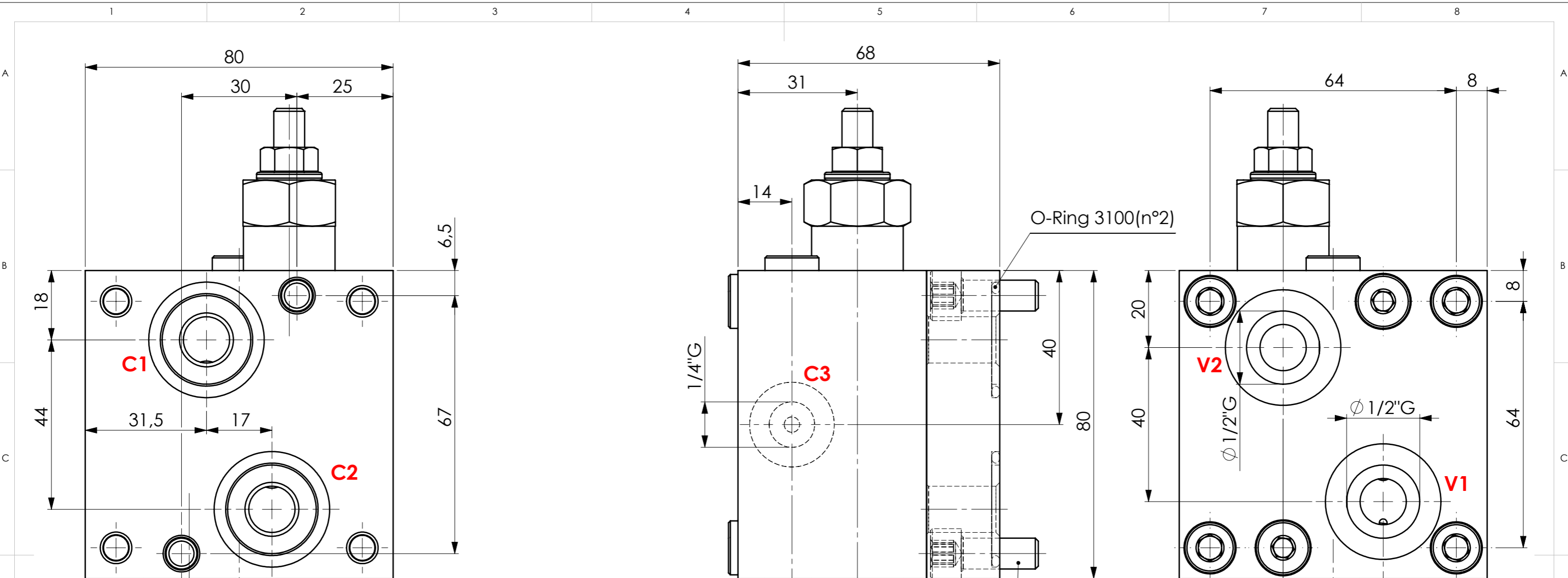
DINAMIC OIL 438006900

TOLLERANZE GENERALI COME DA NS. NORME CON QUALITA' MEDIA PRECISA

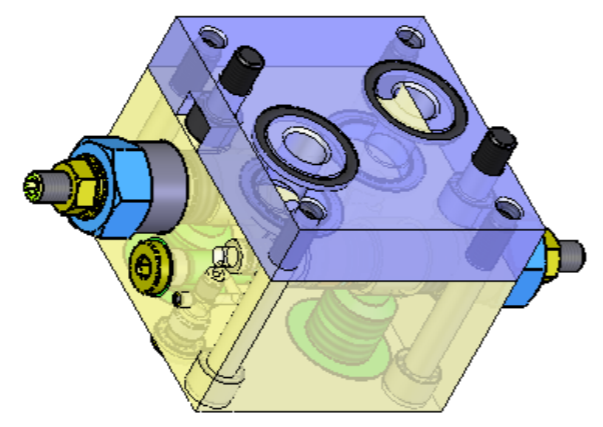
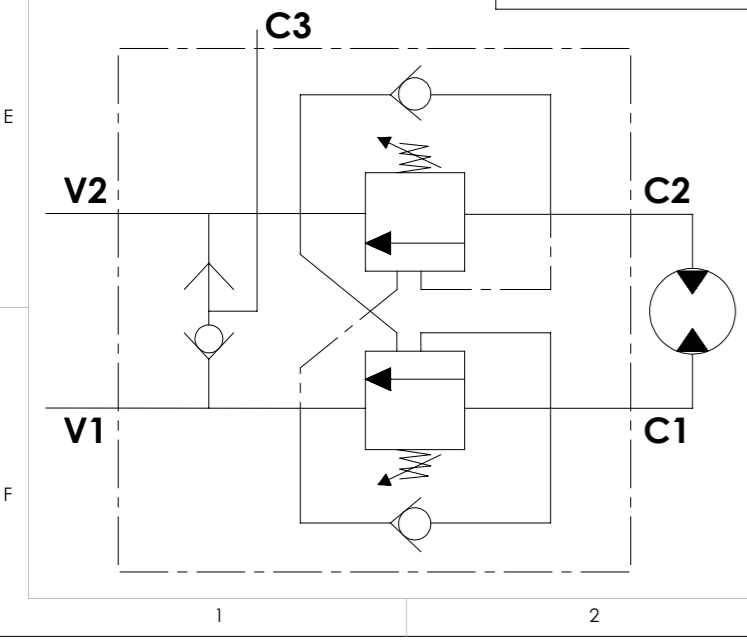
CARATTERISTICHE:

- PORTATA 40 l/min
- PRESSIONE MAX 350 bar
- CORPO IN ALLUMINIO
- RAPPORTO DI PILOTAGGIO R 4.2:1
- TARATURA 190 bar - INCREMENTO x GIRO = 135 bar

MODIFICHE	5			VERIFICATORE	DATA	<p>IL DISEGNO E' DI NOSTRA ESCLUSIVA PROPRIETA' E VA SEMPRE RESO</p>
	4				10-04-07	
	3			DISEGNATORE	DATA	
	2				10-04-07	
	1				GRUPPO	
NOTE		SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	PARTICOLARE	
	1		Tipo	Sigla UNI		VALVOLA OVC DOPPIA CON SBLOCCO FRENO
	2		Durezza	Stato fornitura		SCALA
	3		Superficie finale	Dimensioni		CODICE PARTICOLARE
						1:1
						B07048112

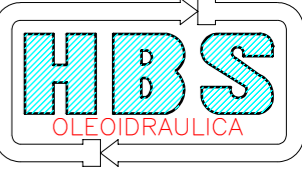


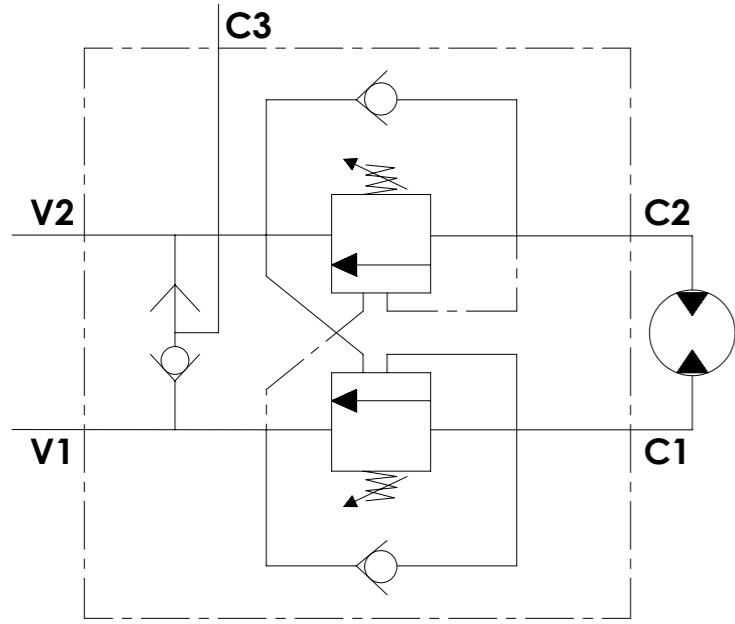
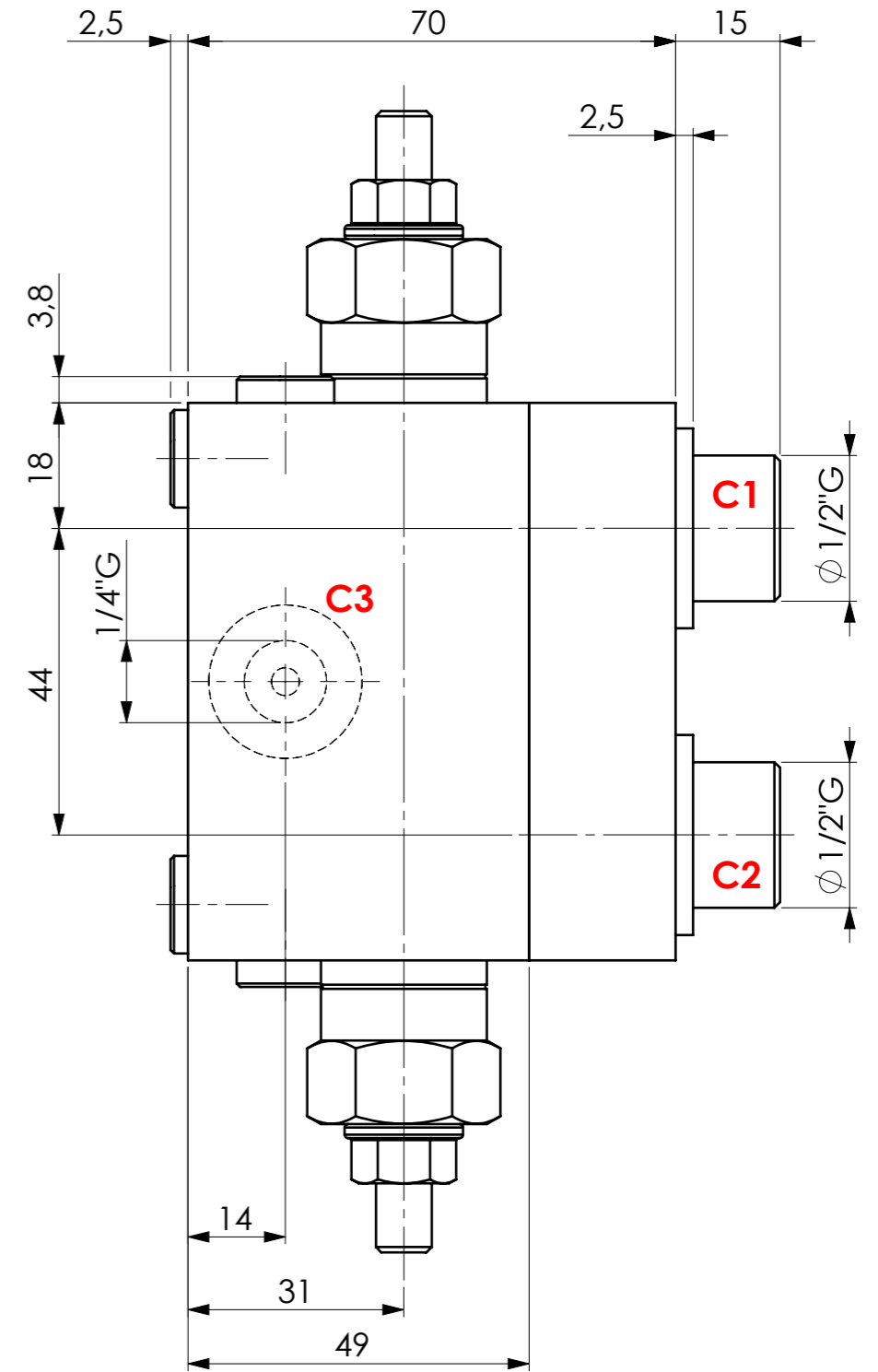
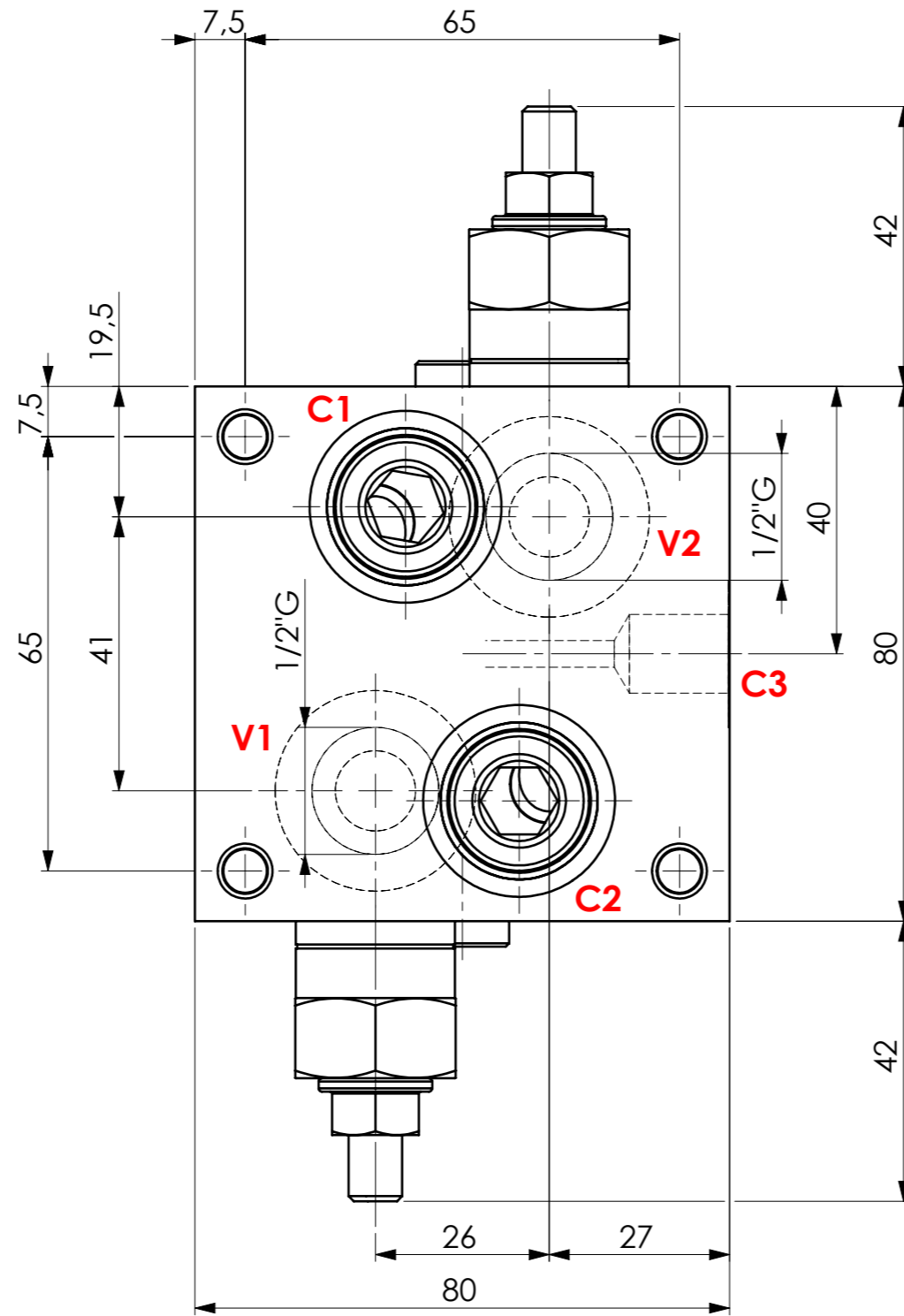
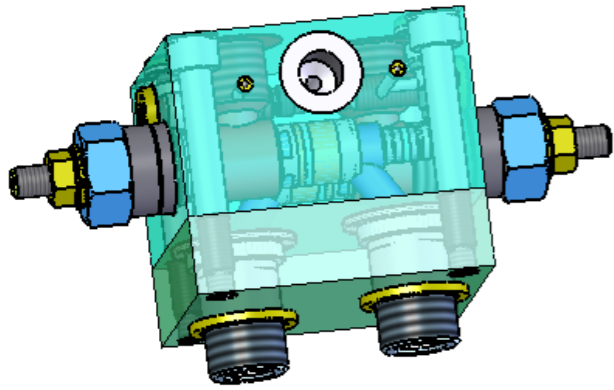
- CARATTERISTICHE:**
- PORTATA 40 l/min
 - PRESSIONE MAX 350 bar
 - CORPO IN ALLUMINIO ANODIZZATO NERO
 - RAPPORTO DI PILOTAGGIO R 4.2:1
 - TARATURA 190 bar - INCREMENTO x GIRO=135bar



DINAMIC OIL 438030400

TOLLERANZE GENERALI COME DA NS. NORME CON QUALITÀ: MEDIA PRECISA

MODIFICHE	5			VERIFICATORE	DATA	 <p>IL DISEGNO È DI NOSTRA ESCLUSIVA PROPRIETÀ E VA SEMPRE RESO</p>
	4				06-04-07	
	3			DISEGNATORE	DATA	
	2				06-04-07	
	1				GRUPPO	
NOTE		SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	PARTICOLARE	
	1		Tipo	Sigla UNI		VALVOLA OVC DOPPIA CON SBLOCCO FRENO
	2		Durezza	Stato fornitura		
	3		Superficie finale	Dimensioni		
					SCALA	CODICE PARTICOLARE
					1:1	B07048122




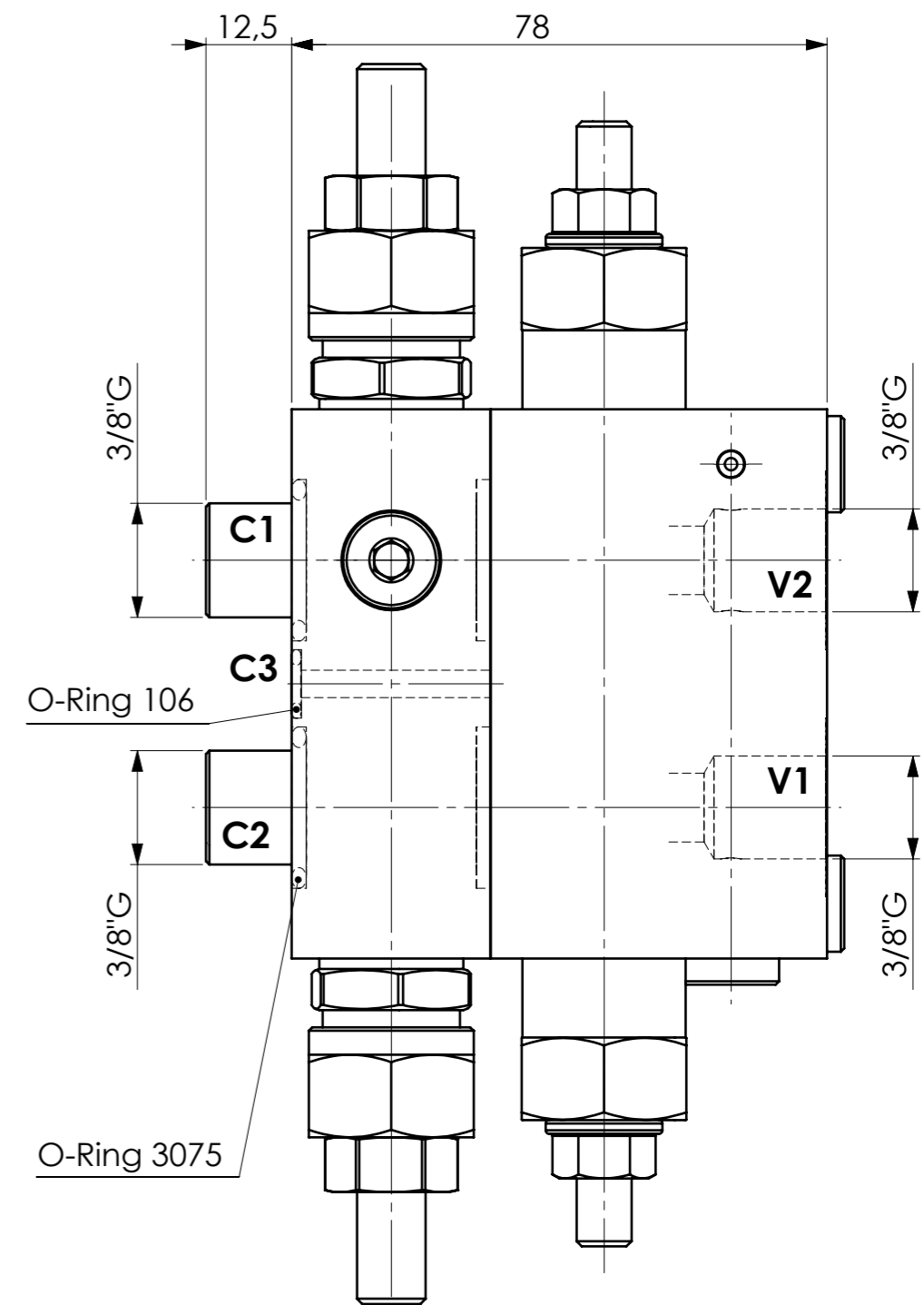
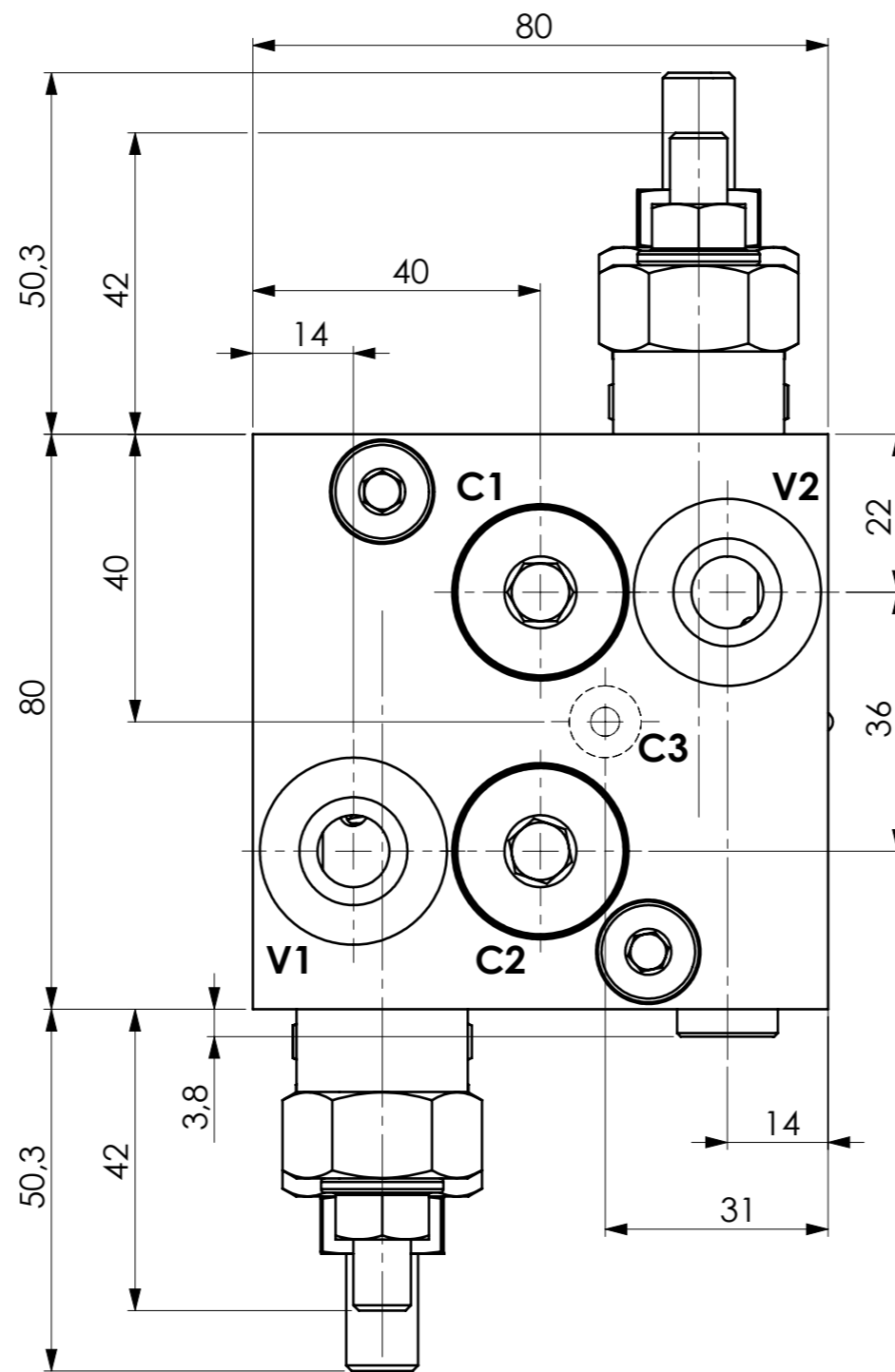
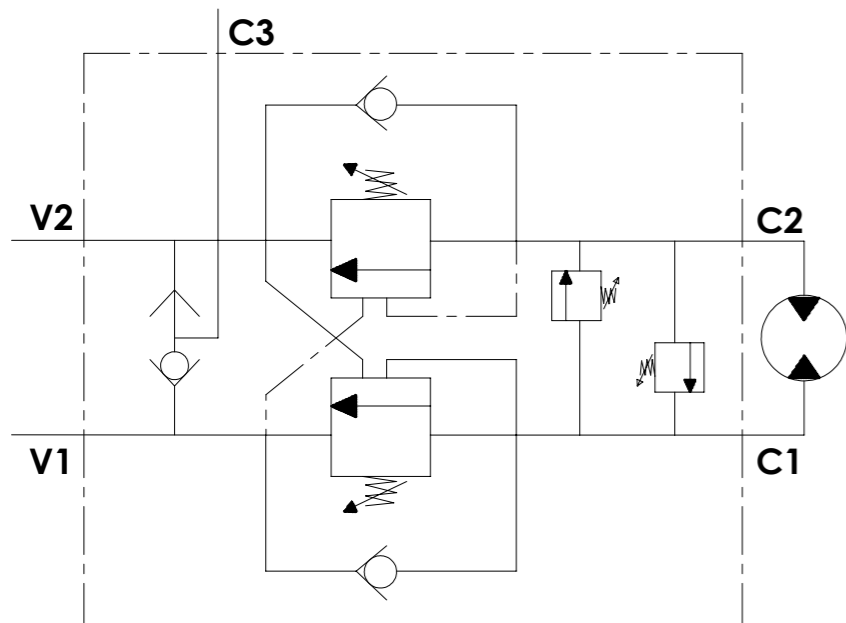
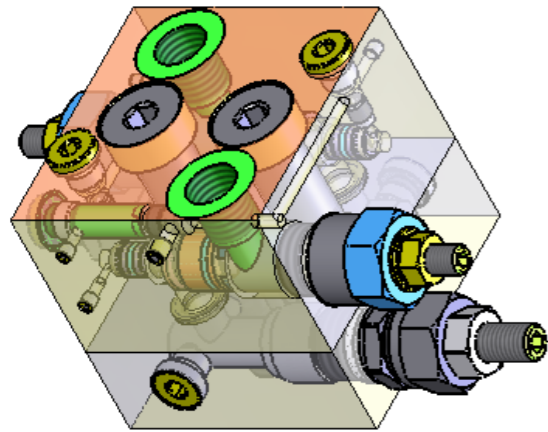
DINAMIC OIL 438001300

TOLLERANZE GENERALI COME DA NS. NORME CON QUALITÀ: MEDIA PRECISA

CARATTERISTICHE:

- PORTATA 40 l/min
- PRESSIONE MAX 350 bar
- CORPO IN ALLUMINIO ANODIZZATO NERO
- RAPPORTO DI PILOTAGGIO R 4.2:1
- TARATURA 190 bar - INCREMENTO x GIRO=135bar

MODIFICHE	5			VERIFICATORE	DATA	 <p>IL DISEGNO E' DI NOSTRA ESCLUSIVA PROPRIETÀ E VA SEMPRE RESO</p>
	4				14-05-06	
	3			DISEGNATORE	DATA	
	2				14-05-06	
	1				GRUPPO	
NOTE	SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	PARTICOLARE		VALVOLA OVC DOPPIA CON SBLOCCO FRENO
	1	Tipo	Sigla UNI			SCALA
	2	Durezza	Stato fornitura			CODICE PARTICOLARE
	3	Superficie finale	Dimensioni			1:1
						B07048125



DINAMIC OIL 438030800

CARATTERISTICHE:

- PORTATA 40 l/min
- PRESSIONE MAX 350 bar
- CORPO IN ALLUMINIO ANODIZZATO NERO
- RAPPORTO DI PILOTAGGIO R 4.2:1
- TARATURA OVC 190 bar - INCREMENTO PER GIRO= 135 bar
- TARATURA V.MAX 90 bar - INCREMENTO PER GIRO= 110 bar

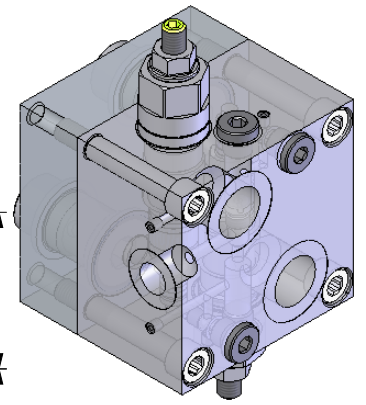
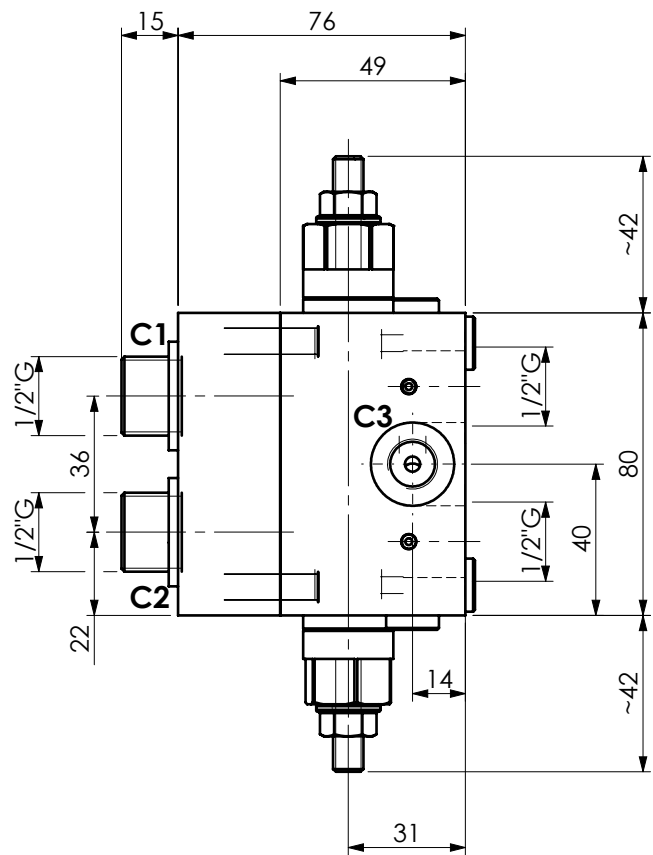
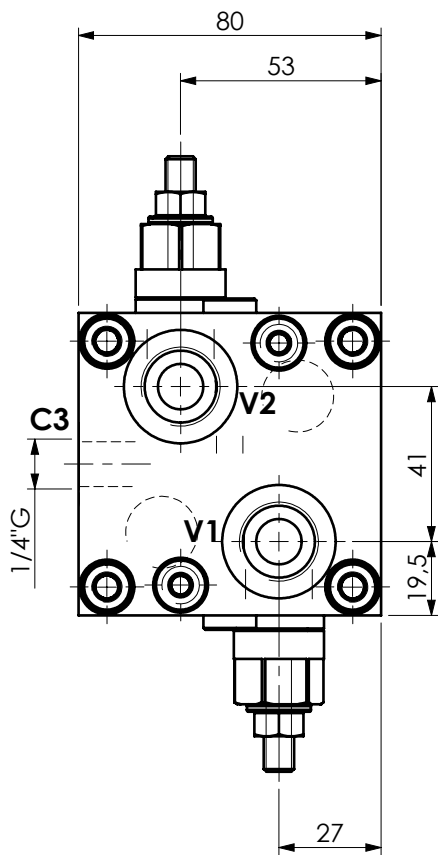
TOLLERANZE GENERALI COME DA NS. NORME CON QUALITÀ: MEDIA PRECISA

MODIFICHE	5			VERIFICATORE	DATA	
	4				06-04-07	
	3			DISEGNATORE	DATA	
	2				06-04-07	
	1			GRUPPO	07	
NOTE	SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	VALVOLA OVC DOPPIA CON MAX PRES.		
	1	Tipo	Sigla UNI	SCALA	CODICE PARTICOLARE	
	2	Durezza	Stato fornitura	1:1	B07038122	
	3	Superficie finale	Dimensioni			

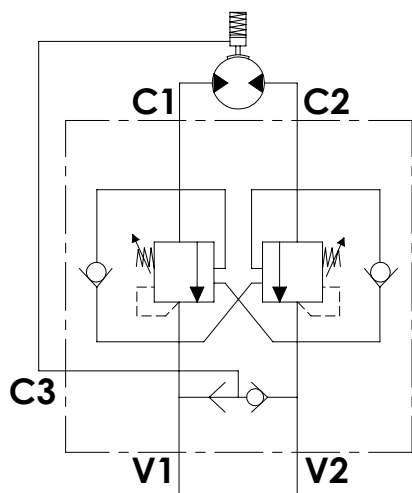
IL DISEGNO È DI NOSTRA ESCLUSIVA PROPRIETÀ E VA SEMPRE RESO



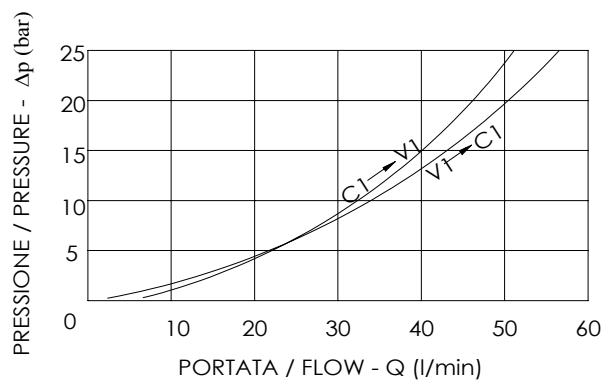
**VALVOLA DI BLOCCO BILANCIATA DOPPIA FLANGIABILE
PER CENTRO APERTO**
FLANGEABLE DUAL OVERCENTER VALVE FOR OPEN CENTRE



SCHEMA IDRAULICO / HYDRAULIC DIAGRAM



CURVE CARATTERISTICHE / PERFORMANCE CURVES



DESCRIZIONE / DESIGN

Valvola di blocco bilanciata semplice con flangiatura per motori danfoss OMR, OMP e white series HS e HR.

Dual flangeable overcenter valve for danfoss motors OMR OMP and white series HS,HP.

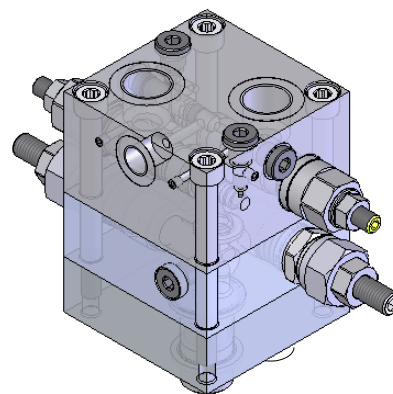
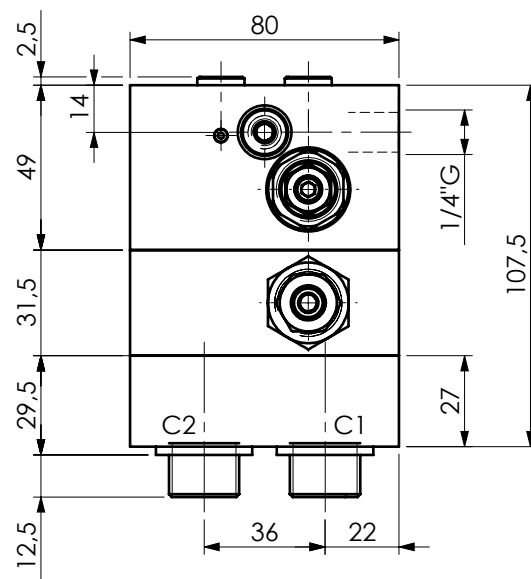
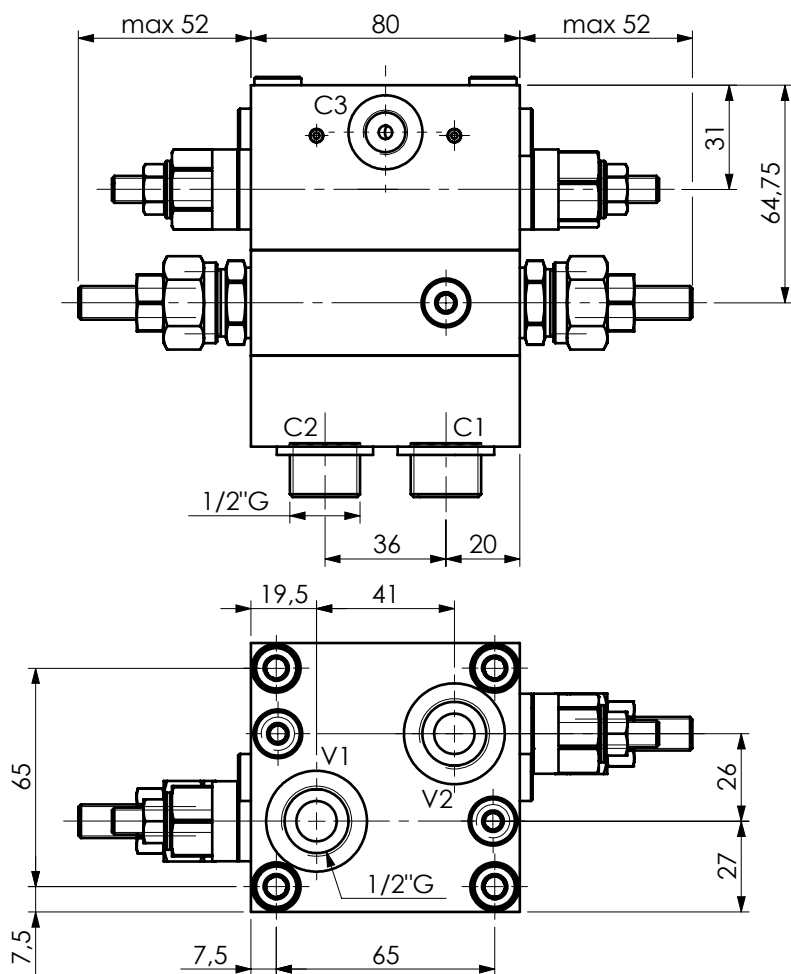
CODICE ORDINAZIONE ORDERING CODE	RAPPORTO DI PILOTAGGIO PILOT RATIO	CAMPO DI TARATURA (bar) ADJUSTANCE PRESSURE RANGE (bar)	TARATURA STANDARD (bar) STANDARD SETTING (bar)	PORTATA MAX (l/min) MAX FLOW RATE (l/min)	INCREMENTO PER GIRO (bar) INCREASE (bar)/TURN	PRESSIONE MAX (bar) MAX PEAK PRESSURE (bar)	PESO KG WEIGHT Kg
B070481.28.00	4.2:1	60-220	190	40	135	350	1.5



VALVOLA DI BLOCCO BILANCIATA DOPPIA PER CENTRO APERTO

Pag. 07.12.0n

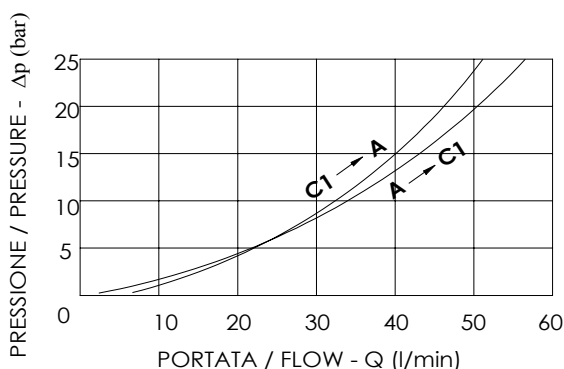
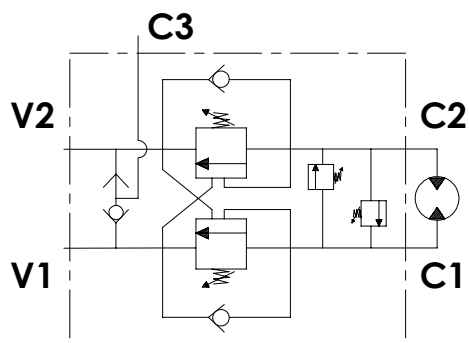
DUAL OVERCENTER VALVE FOR OPEN CENTRE



SCHEMA IDRAULICO / HYDRAULIC DIAGRAM

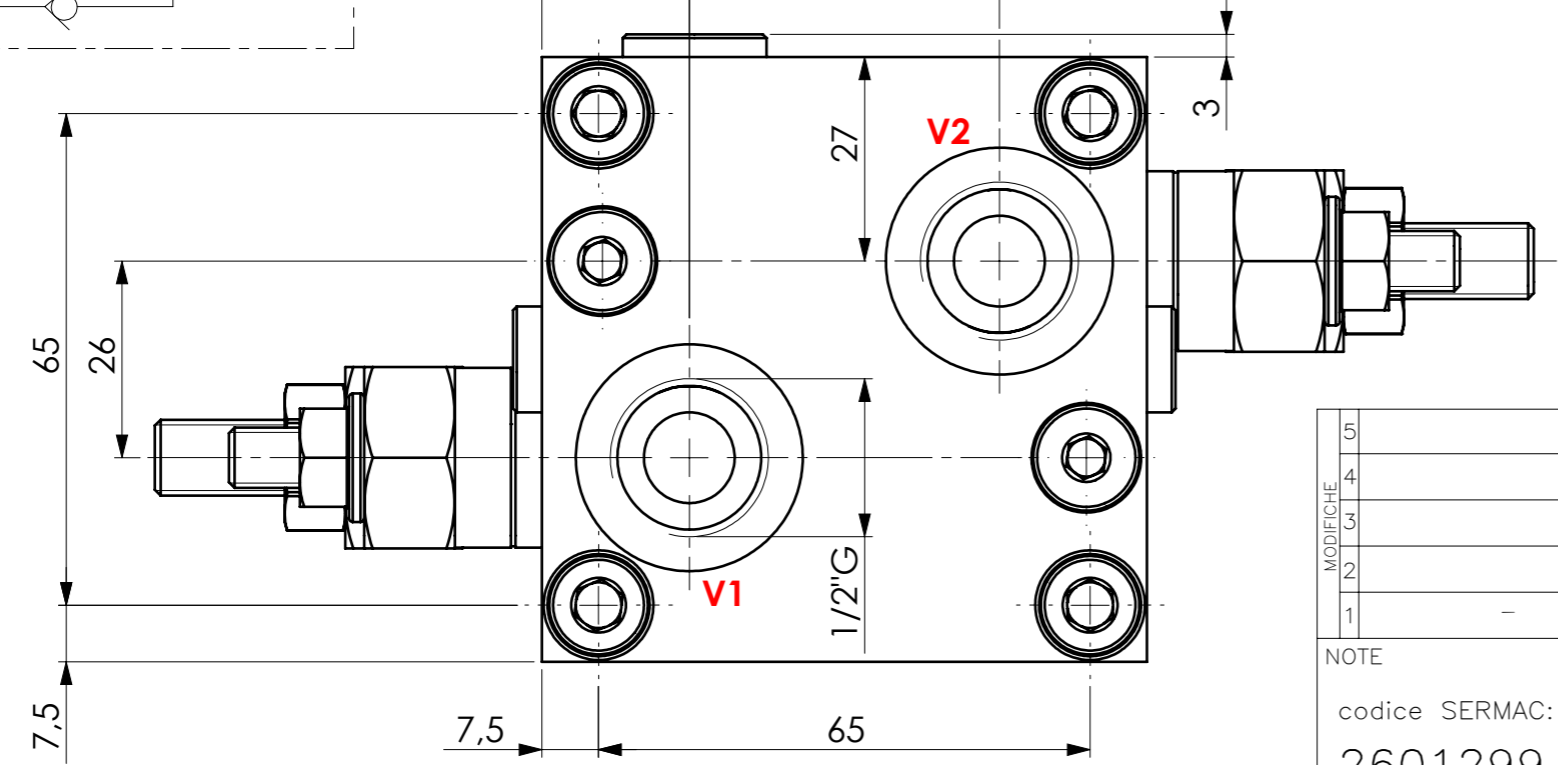
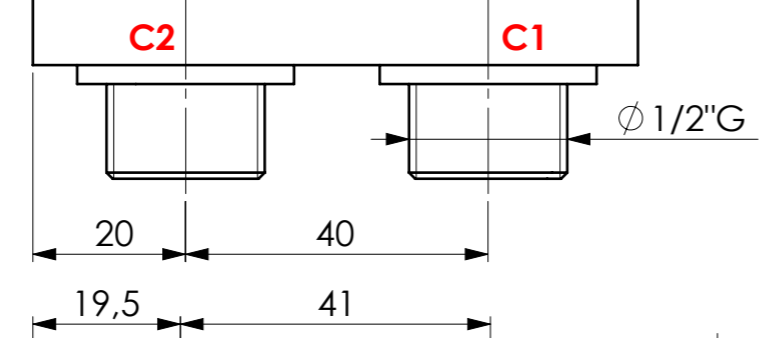
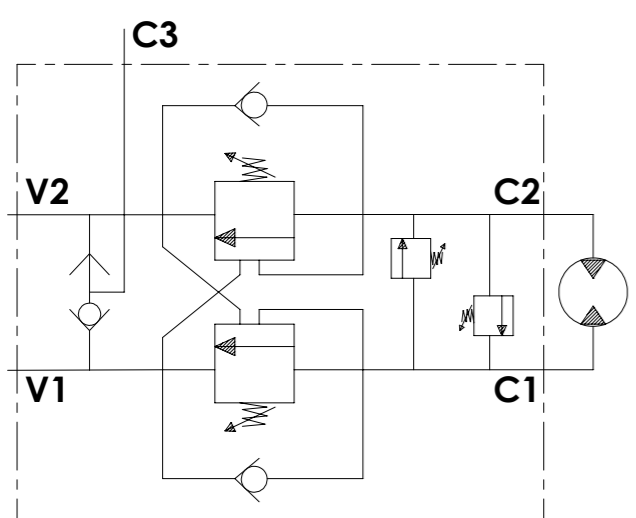
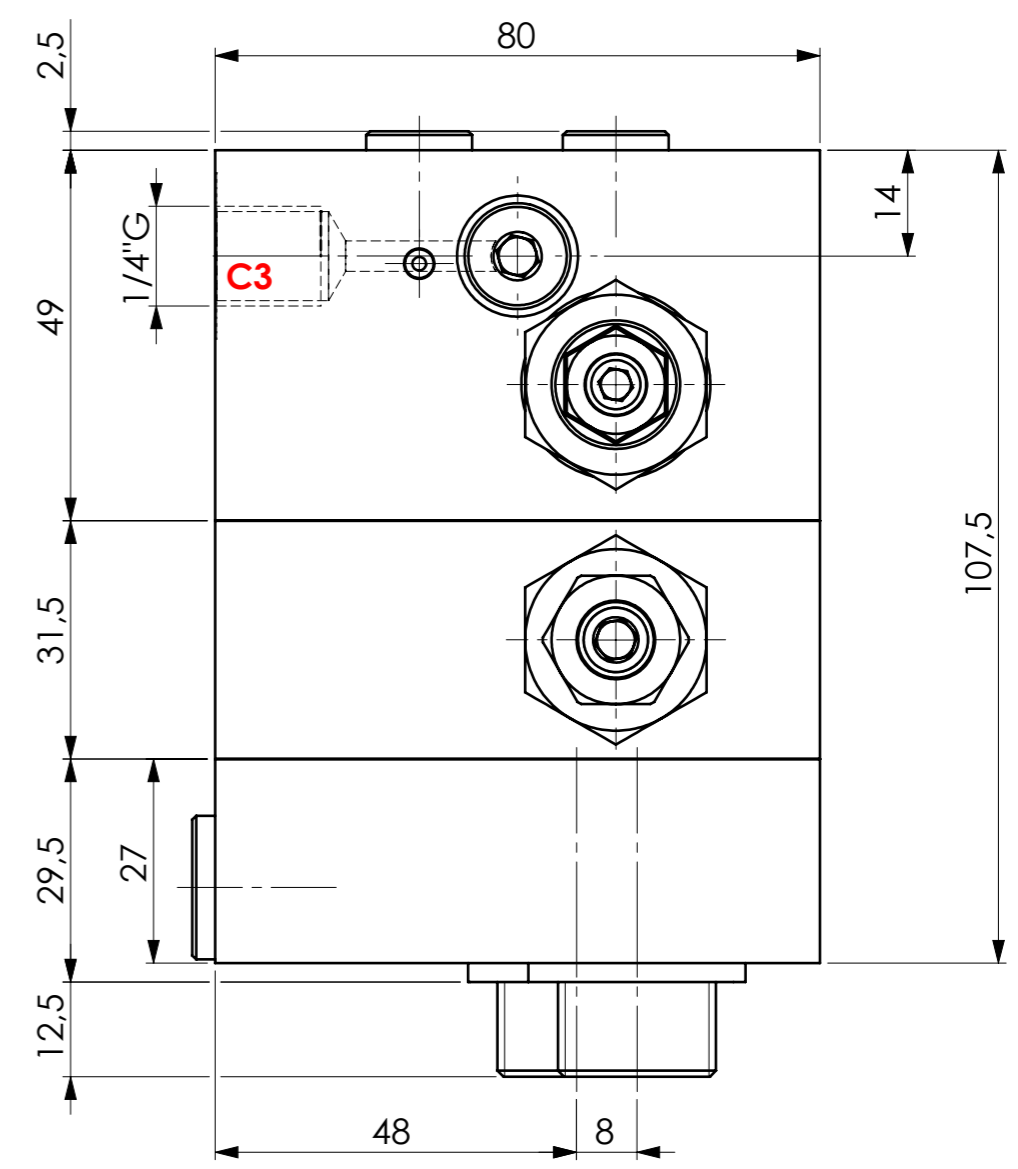
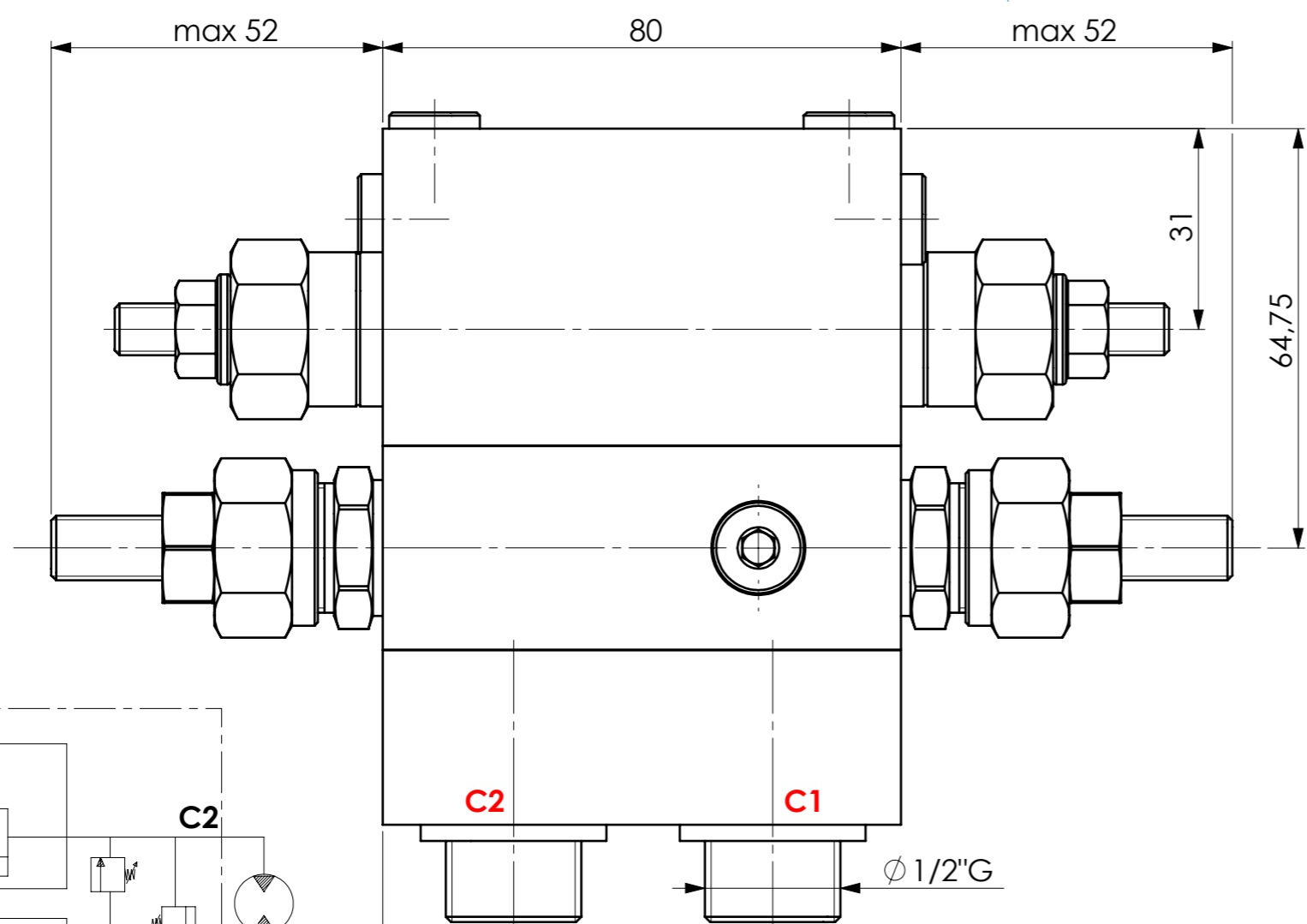
CURVE CARATTERISTICHE / PERFORMANCE CURVES

DESCRIZIONE / DESIGN



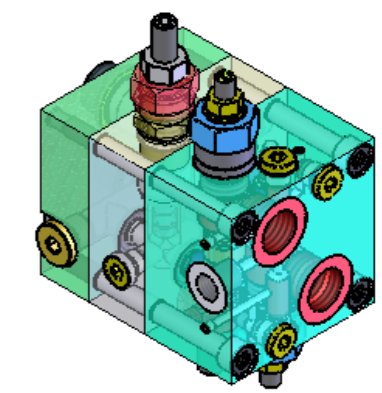
Valvola di blocco bilanciata doppia con valvola di massima doppia incrociata flangiata con bulloni per motori DANFOS OMR, OMP

CODICE ORDINAZIONE ORDERING CODE	RAPPORTO DI PILOTAGGIO PILOT RATIO	TARATURA STANDARD OVERCENTER (bar) OVERCENTER STANDARD SETTING (bar)	INCREMENTO PER GIRO (bar) PRESSURE INCREASE (bar)/TURN	TARATURA STANDARD V. MAX (bar) RELIEF VALVE STANDARD SETTING (bar)	INCREMENTO PER GIRO (bar) PRESSURE INCREASE (bar)/TURN	CAMPO DI PORTATA (l/min) FLOW RANGE (l/min)	PRESSIONE MAX (bar) MAX PEAK PRESSURE (bar)	PESO Kg WEIGHT Kg
B070481.33.00	4.2:1	200	135	130	110	1-60	350	2.4




CARATTERISTICHE:

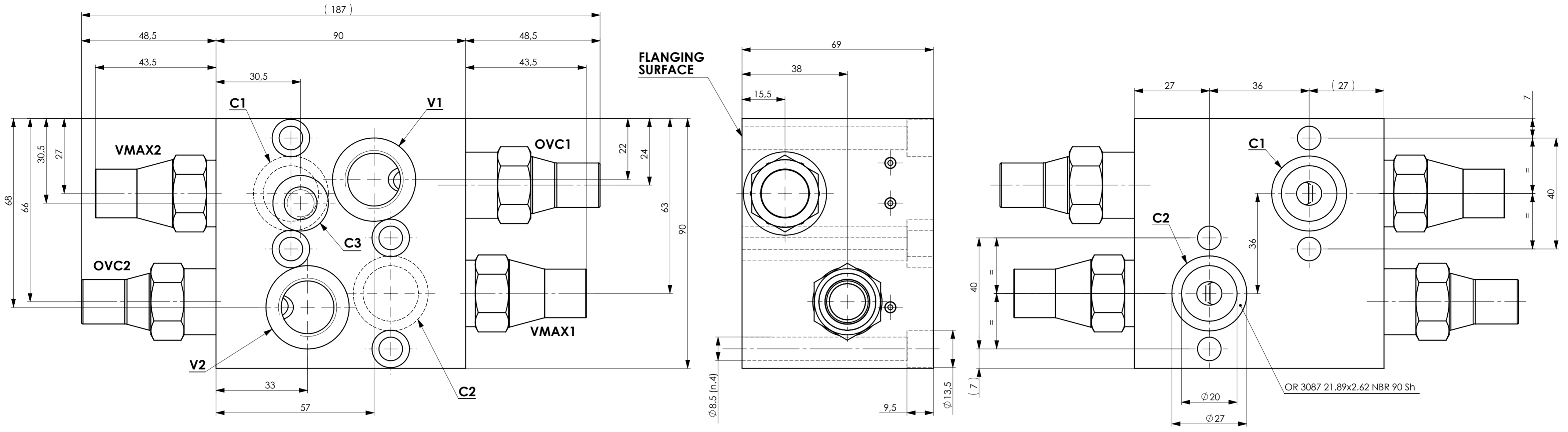
- PORTATA 40 l/min
- PRESSIONE MAX 350 bar
- CORPO OVC IN ALLUMINIO ANODIZZATO NERO
- CORPO PIASTRA E VMAX ALLUMINIO
- RAPPORTO DI PILOTAGGIO R 4.2:1
- TARATURA OVC 200 bar
- - INCREMENTO PER GIRO = 135 bar
- TARATURA V.MAX 130 bar
- - INCREMENTO PER GIRO = 110 bar



PESO = 2.455 Kg

TOLLERANZE GENERALI COME DA NS. NORME CON QUALITÀ: MEDIA PRECISA.

MODIFICHE	5			VERIFICATORE	DATA	
	4				08-05-08	
	3			DISEGNATORE	DATA	
	2				08-05-08	
	1			GRUPPO	07	
NOTE	SPEC. TECNICHE		TRATT. TERMICO	MATERIALE	PARTICOLARE	
codice SERMAC:	1		Tipo	Sigla UNI	OVCD FLANG. CON BULLONI + VMAX DOP.INCR.	
2601299	2		Durezza	Stato fornitura	SCALA	CODICE PARTICOLARE
	3		Superficie finale senza ossidi	Dimensioni	1:1	B07048132



P275

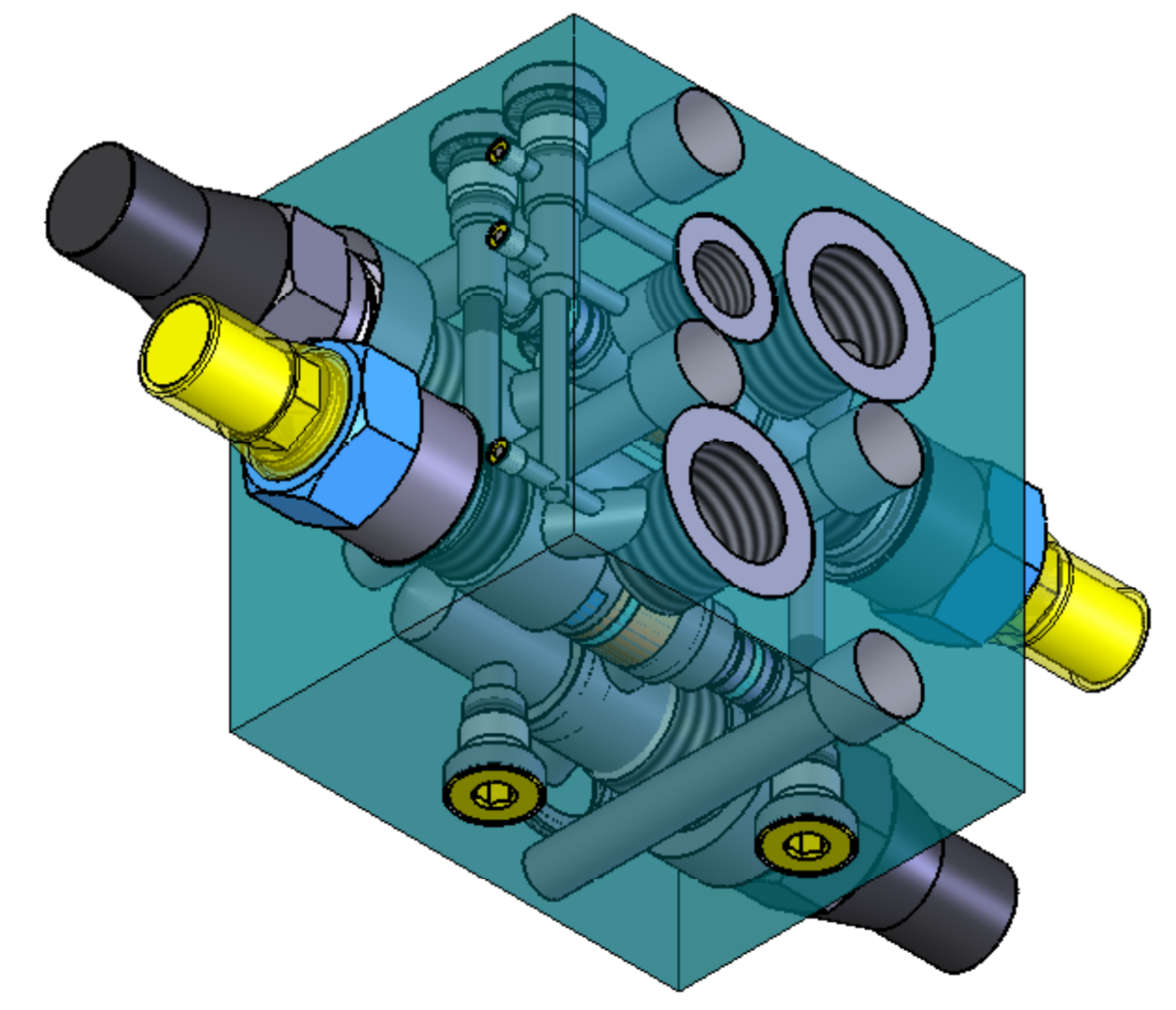
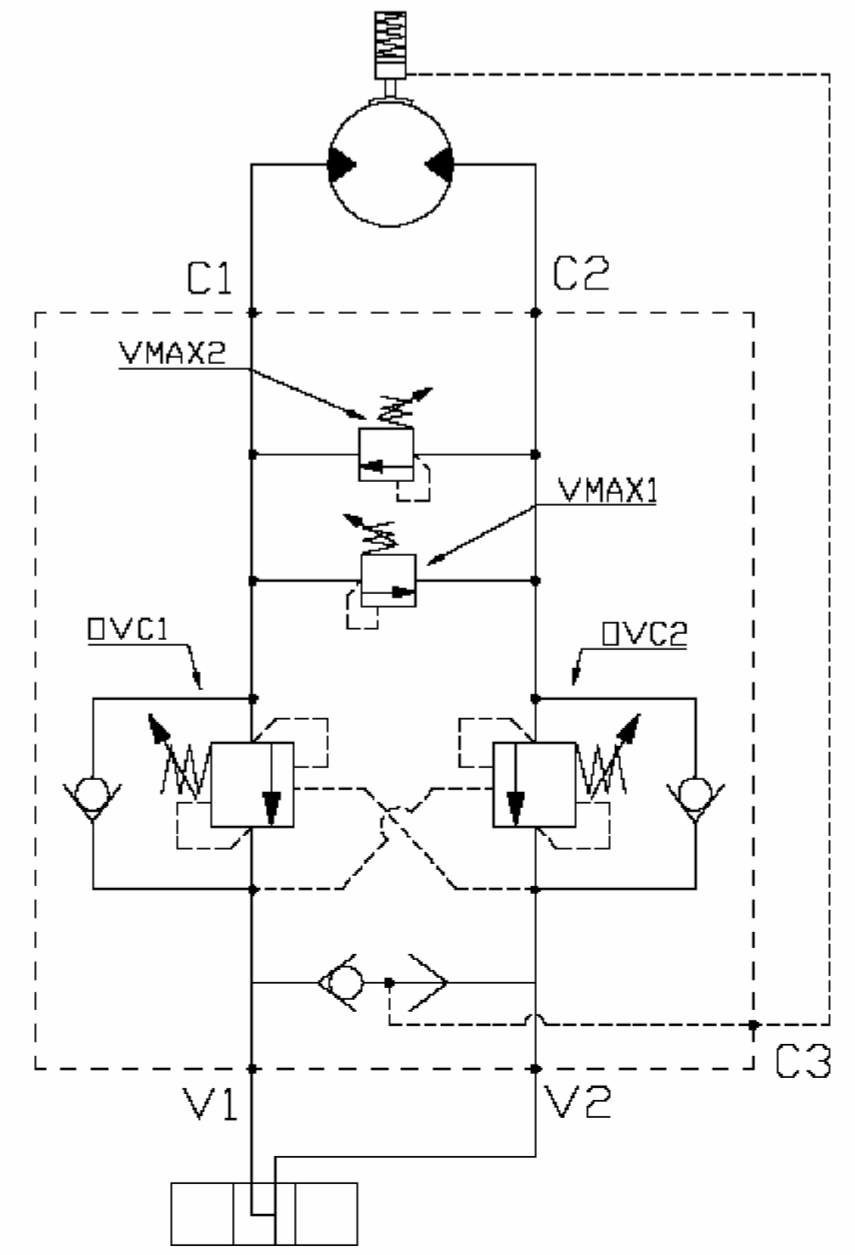
DUAL ACTING OVERCENTRE VALVE WITH CROSSOVER PRESSURE RELIEF VALVES AND BRAKE OPENING

- PORTS**
- V1, V2 : 1/2" G;
 - C3 : 1/4" G;
 - C1, C2 : FLANGEABLE WITH OR 3087 21.89x2.62 NBR 90 SH;

- TECHNICAL FEATURES OF OVERCENTRE VALVES**
- PILOT RATIO : R7:1
 - MAX FLOW RATE : 60 l/min;
 - SETTING RANGE : 100-400 bar;
 - STANDARD SETTING : 150 bar;
 - PRESSURE INCREASE : 75 bar/turn;
 - PLUMBING CAPS AVAILABLE;

- TECHNICAL FEATURES OF RELIEF VALVES**
- SETTING RANGE : 40-150 bar;
 - STANDARD SETTING : 70 bar;
 - PRESSURE INCREASE : 25 bar/turn;
 - PLUMBING CAPS AVAILABLE;

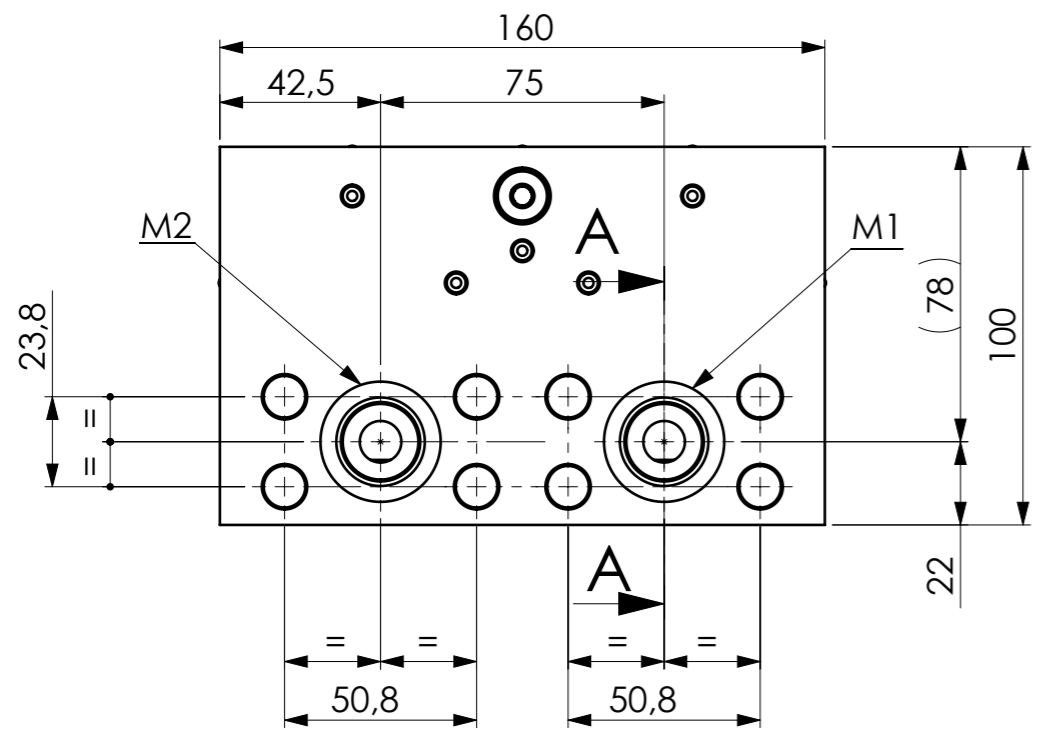
- OTHER INFORMATION**
- MANIFOLD MATERIAL : ALUMINIUM;
 - TOTAL MASS : 1.9kg;
 - FITTED TO BE FLANGED ONTO DANFOSS OMP-OMR MOTORS.



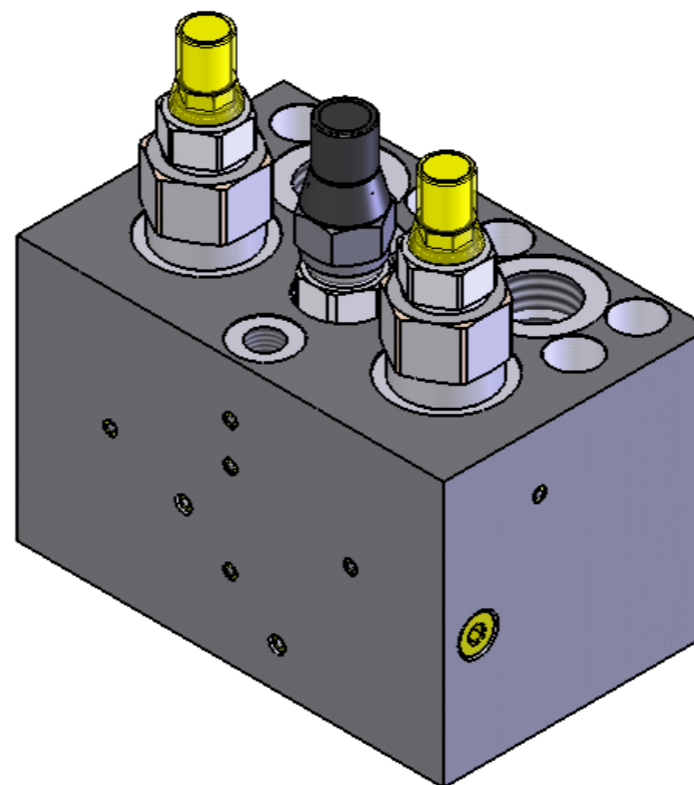
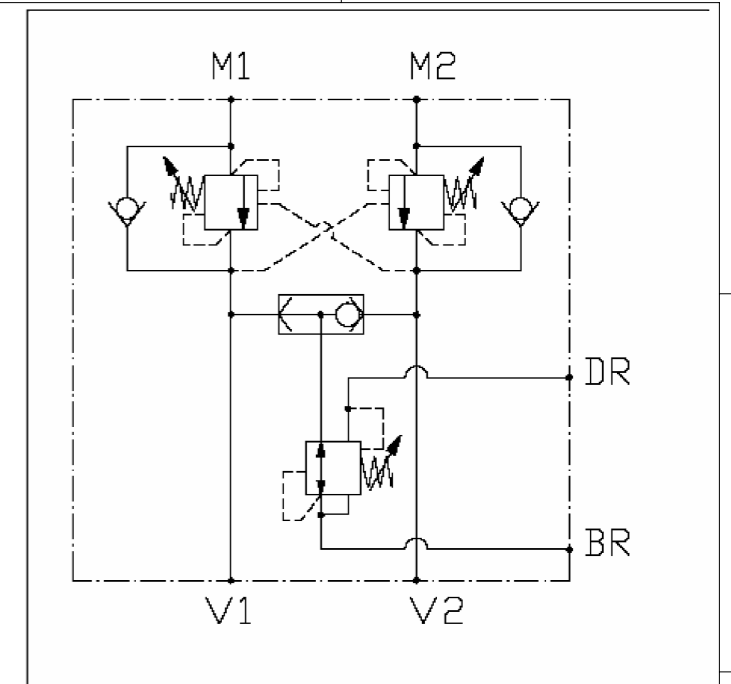
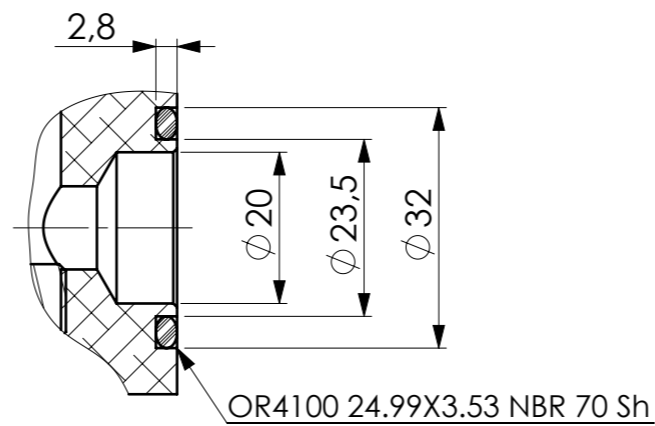
TOLLERANZE GENERALI COME DA NS. NORME CON QUALITA' MEDIA PRECISA		VERIFICATORE		DATA
MODIFICHE		28/11/08		28/11/08
5		DESIGNATORE		DATA
4		28/11/08		28/11/08
3		GRUPPO		
2				
1				
NOTE	SPEC. TECNICHE	TRATT. TERMICO	MATERIALE	VALVOLA OVC PER MOTORI DANFOSS OMP-OMR
	1	Tipologia	Sigla UNI	
	2	Durezza	Stato fornitura	
	3	Superficie finale	Dimensioni	SCALA
				CODICE PARTICOLARE
				1:1
				P275



IL DISEGNO È DI NOSTRA ESCLUSIVA PROPRIETÀ E VA SEMPRE RESEO



SEZIONE A-A
SCALA 1:1



TECHNICAL DATA

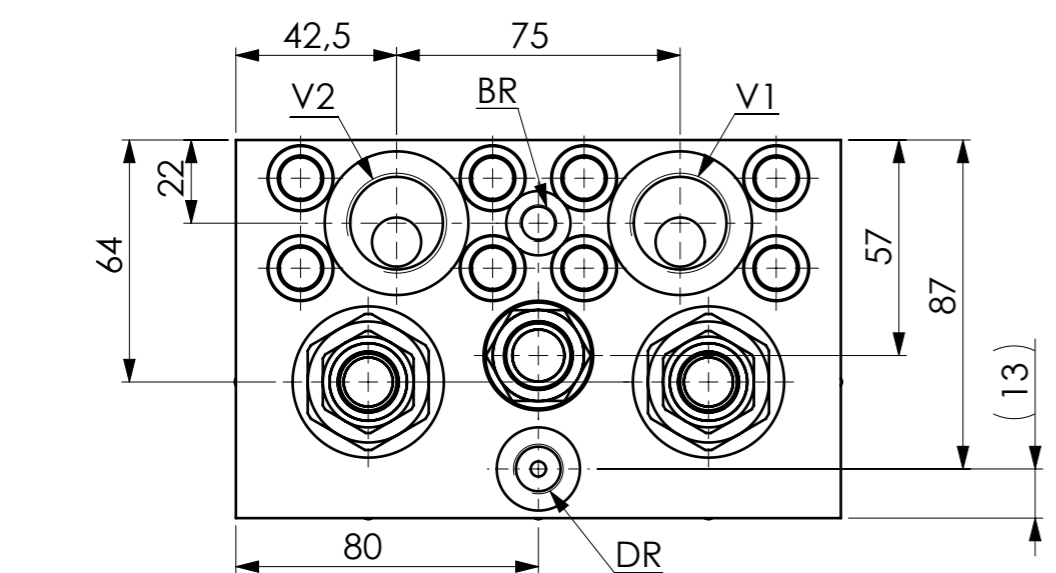
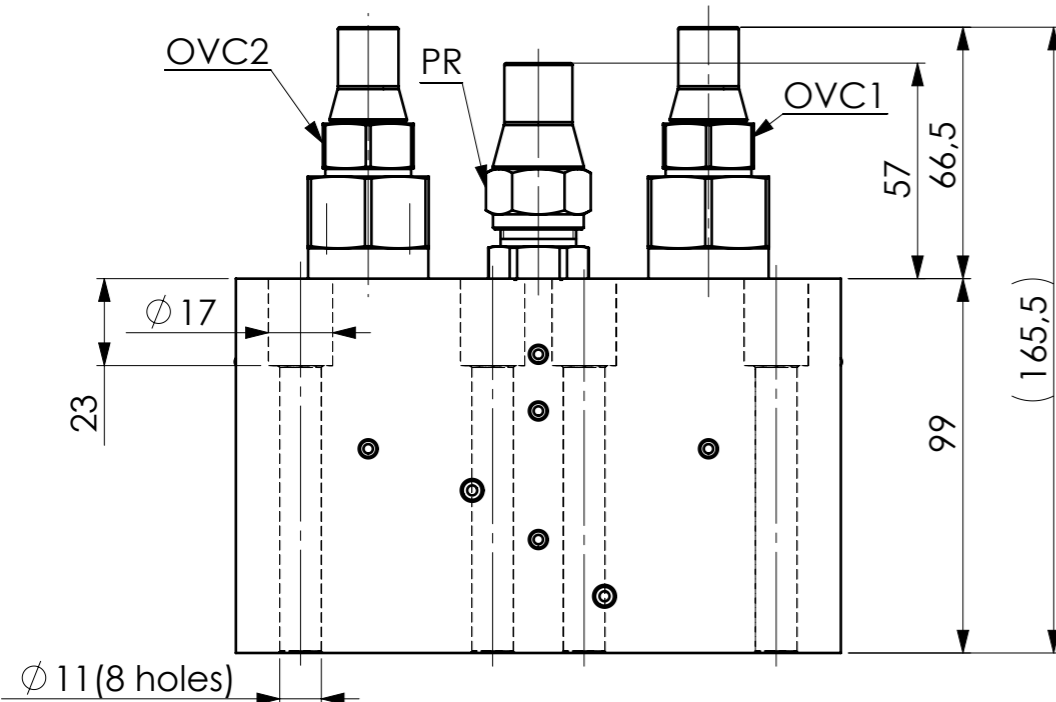
PORTS DIMENSION:
 V1,V2 : 3/4"GBSP
 BR : 1/8"G BSP
 DR : 1/4"G BSP
 M1,M2 : 3/4" SAE 6000 FLANGES

OVERCENTRE VALVES (OVC1,OVC2)
 SETTING RANGE : 100-350 bar
 STANDARD SETTING : 350 bar
 PILOT RATIO : R8:1

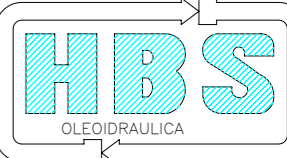
PRESSURE REDUCER VALVE (PR)
 STANDARD SETTING : 33 bar

GENERAL DATA
 BODY MATERIAL : ALUMINIUM
 VALVE MASS : 4.5 kg

OTHER INFORMATIONS
 FLANGEABLE ON REXROTH MOTOR A2FE63
 CUSTOMER CODE : "STRICKLAND TRACKS LTD - P/N FMV 06008057-2"
 (INFORMATION PRINTED ON THE VALVE SURFACE)



TOLLERANZE GENERALI COME DA NS. NORME CON QUALITA' MEDIA PRECISA

MODIFICHE	5			VERIFICATORE	DATA	 <p>IL DISEGNO E DI NOSTRA ESCLUSIVA PROPRIETA E VA SEMPRE RESO</p>
	4				03/01/08	
	3			DISEGNATORE	DATA	
	2				03/01/08	
	1				GRUPPO	
NOTE		SPEC. TECNICHE	TRATT. TERMICO	MATERIALE		DUAL OVERCENTRE VALVE SCALA 1:2 CODICE PARTICOLARE P147D
	1		Tipo	Sigla UNI		
	2		Durezza	Stato fornitura		
	3		Superficie finale	Dimensioni		