



Your full line partner
for hydraulic motion control

Where we are



Parabiago, Italy



Minneapolis, USA



Who we are

- ▶ **Established in the '50s** for the production of hydraulic copying systems, with a following development of hydraulic components for the industrial sector
- ▶ Production of **hydraulic components and systems**, to be used in a wide range of industrial applications
- ▶ Shareholders: **85%** AXA Private Equity Fund - **15%** management

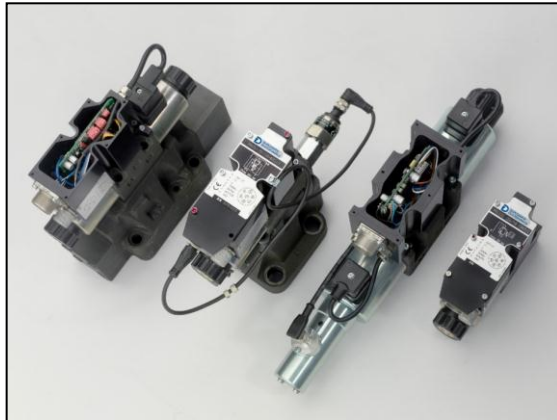


Turnover

- ▶ **50 mio €** total turnover and more than **200 employees** in 2011



Product range



► Proportional valves and electronics



► Directional valves



► Hydraulic cylinders



► Pressure and flow control valves

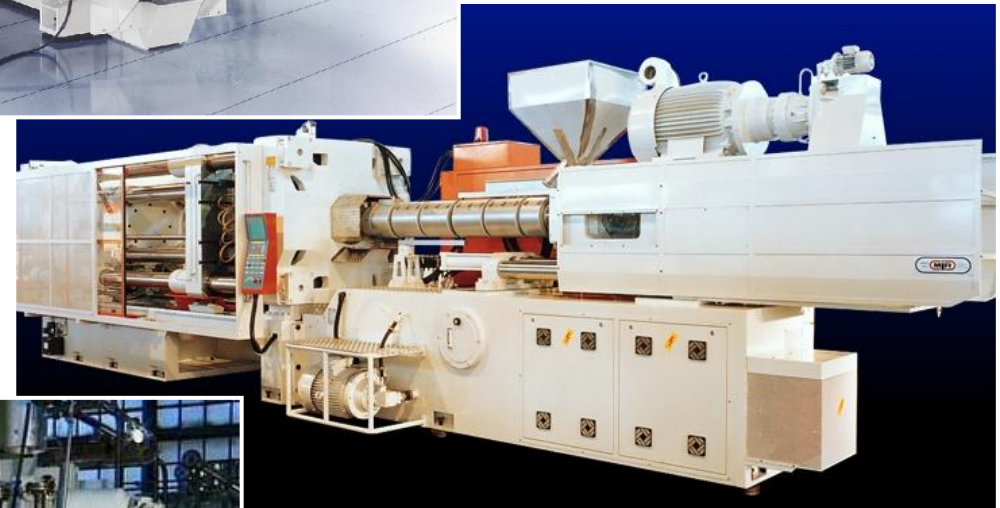


► Hydraulic pumps

Application fields

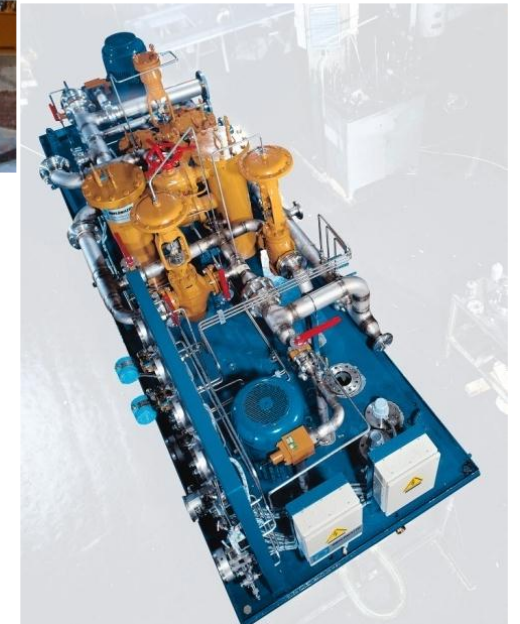
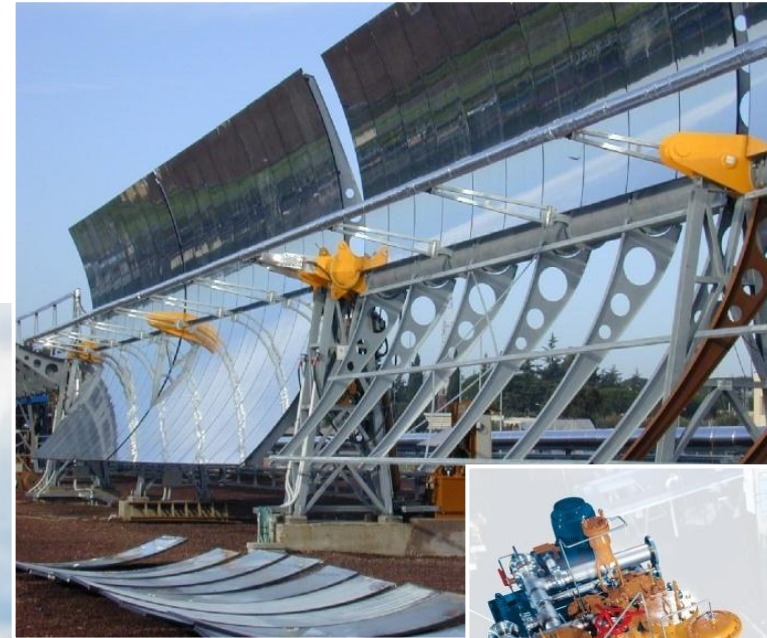
Industrial Field

- ▶ Deformation and cutting
- ▶ Sheet metal processing lines
- ▶ Press brakes
- ▶ Machine-tools
- ▶ Plastic injection moulding
- ▶ Rubber
- ▶ Iron and steel
- ▶ Paper mill
- ▶ Waste disposal
- ▶ Marble processing



Energy Field

- ▶ Geothermic
- ▶ Turbogas
- ▶ Thermoelectric
- ▶ Hydroelectric
- ▶ Lubrication
- ▶ Solar thermal plants
- ▶ Eolic



Application fields

Mobile / Marine / Agricultural

- ▶ Earth moving machines
- ▶ Cranes
- ▶ Concrete pumps
- ▶ Lift platforms
- ▶ Tree cutting
- ▶ Hovercrafts, ships
- ▶ Harvester, sprayers



ISO and CETOP standards

► Pressure control valves

ISO 6264-06-09-* -97

ISO 6264:1998(E) © ISO

Code: 6264-06-09-* -97

Dimensions in millimetres

1) The minimum thread depth is 1,5 times the screw diameter, D . The recommended full thread depth is $2D + 6$ mm to facilitate interchangeability of valves and to reduce the number of fixing screw lengths. The recommended engagement of fixing screw thread for ferrous mountings is 1,25*D*.

2) The dimensions specifying the area within the chain thick lines are the minimum dimensions for the mounting surface. The corners of the rectangle may be radiused to a maximum radius, r_{max} , equal to the thread diameter of the fixing screws. Along each axes the fixing holes are at equal distances to the mounting surface edges.

3) This dimension gives the minimum space required for a valve with this mounting surface. The dimension is also the minimum distance from centreline to centreline of two identical mounting surfaces placed on a manifold block. The valve manufacturer's attention is drawn to the fact that no part of the width of the complete valve assembly shall exceed this dimension.

4) Blind hole in the mounting surface to accommodate the locating pin on the valves. The minimum depth is 4 mm.

5) This optional port should be provided on the mounting surface only when required by the function of the valve.

NOTES

1 The supplier shall stipulate the maximum engagement of the fixing screw threads.

2 See figure 10 for graphic symbols.

Axis	P	T
	∅ 14,7 max.	∅ 14,7 max.
x	22,1	47,5
y	26,9	26,9

1) For code: 6264-06-09-0-97.

Figure 9 — Mounting surface for ISO 6264-06-09

10

ISO 6264-08-13-* -97

ISO 6264:1998(E) © ISO

Code: 6264-08-13-* -97

Dimensions in millimetres

1) The minimum thread depth is 1,5 times the screw diameter, D . The recommended full thread depth is $2D + 6$ mm to facilitate interchangeability of valves and to reduce the number of fixing screw lengths. The recommended engagement of fixing screw thread for ferrous mountings is 1,25*D*.

2) The dimensions specifying the area within the chain thick lines are the minimum dimensions for the mounting surface. The corners of the rectangle may be radiused to a maximum radius, r_{max} , equal to the thread diameter of the fixing screws. Along each axes the fixing holes are at equal distances to the mounting surface edges.

3) This dimension gives the minimum space required for a valve with this mounting surface. The dimension is also the minimum distance from centreline to centreline of two identical mounting surfaces placed on a manifold block. The valve manufacturer's attention is drawn to the fact that no part of the width of the complete valve assembly shall exceed this dimension.

4) Blind hole in the mounting surface to accommodate the locating pin on the valves. The minimum depth is 4 mm.

5) This optional port should be provided on the mounting surface only when required by the function of the valve.

NOTES

1 The supplier shall stipulate the maximum engagement of the fixing screw threads.

2 See figure 14 for graphic symbols.

Axis	P	F ₄
	∅ 23,4 max.	M16
x	11,7	0
y	35	70

1) For code: 6264-08-13-0-97.

Figure 13 — Mounting surface for ISO 6264-08-13

14

ISO 6264-10-17-* -97

ISO 6264:1998(E) © ISO

Code: 6264-10-17-* -97

Dimensions in millimetres

1) The minimum thread depth is 1,5 times the screw diameter, D . The recommended full thread depth is $2D + 6$ mm to facilitate interchangeability of valves and to reduce the number of fixing screw lengths. The recommended engagement of fixing screw thread for ferrous mountings is 1,25*D*.

2) The dimensions specifying the area within the chain thick lines are the minimum dimensions for the mounting surface. The corners of the rectangle may be radiused to a maximum radius, r_{max} , equal to the thread diameter of the fixing screws. Along each axes the fixing holes are at equal distances to the mounting surface edges.

3) This dimension gives the minimum space required for a valve with this mounting surface. The dimension is also the minimum distance from centreline to centreline of two identical mounting surfaces placed on a manifold block. The valve manufacturer's attention is drawn to the fact that no part of the width of the complete valve assembly shall exceed this dimension.

4) Blind hole in the mounting surface to accommodate the locating pin on the valves. The minimum depth is 4 mm.

5) This optional port should be provided on the mounting surface only when required by the function of the valve.

NOTES

1 The supplier shall stipulate the maximum engagement of the fixing screw threads.

2 See figure 14 for graphic symbols.

Axis	P	F ₂	F ₃	F ₄
	∅ 23,4 max.	M18	M18	M18
x	11,7	88,9	88,9	0
y	35	0	82,6	82,6

1) For code: 6264-10-17-0-97.

Figure 15 — Mounting surface for ISO 6264-10-17

14

32 mm maximum port diameter

ISO and CETOP standards

► Flow control valves

ISO 6263-03-03-* -97

figura 3 Superfici di montaggio per valvole di regolazione della portata con bocche principali di diametro massimo 7,5 mm (taglia 03)

Dimensioni in mm

Codice: 6263-03-03-97

- La profondità minima della filettatura è 1,5 volte il diametro D della vite. La profondità di filettatura raccomandata è 20 + 6 mm per facilitare l'intercambiabilità delle valvole e per ridurre il numero di lunghezze delle viti di fissaggio. La lunghezza in presa raccomandata delle viti di fissaggio per superfici di montaggio di materiali ferrosi è 1,25 D.
- Le dimensioni che definiscono l'area delimitata dai segmenti a tratto e punto in grassetto sono le dimensioni minime della superficie di montaggio. Gli angoli del rettangolo possono essere arrotondati con un raggio massimo, r_{max} , uguale al diametro di filettatura delle viti di fissaggio. Lungo ciascun asse, i fori di fissaggio sono ad uguale distanza dai bordi della superficie di montaggio.
- Questa dimensione dà lo spazio minimo richiesto per una valvola con questa superficie di montaggio. Questa dimensione è anche la distanza minima tra gli assi di simmetria di due superfici di montaggio identiche posizionate su un blocco collettore. Si richiama l'attenzione dei costruttori di valvole sul fatto che nessuna parte della larghezza dell'assemblaggio completo della valvola deve eccedere questa dimensione.
- Foro cieco nella superficie di montaggio per la spina di accoppiamento montata sulle valvole. La profondità minima è 4 mm.

Nota 1 - Il fornitore deve stabilire la pressione massima di esercizio per sottobassi e bocchi collettori.
Nota 2 - Vedere figura 4 per i simboli grafici.

Asse	P	A	T
	∅ 7,5 max.	∅ 7,5 max.	∅ 7,5 max.
x	21,5	12,7	21,5
y	25,9	15,5	5,1

UNI
UNI ISO 6263-1999

ISO 6263-06-05-* -97

figura 5 Superfici di montaggio per valvole di regolazione della portata con bocche principali di diametro massimo 14,7 mm (taglia 06)

Dimensioni in mm

Codice: 6263-06-05-97

- La profondità minima della filettatura è 1,5 volte il diametro D della vite. La profondità di filettatura raccomandata è 20 + 6 mm per facilitare l'intercambiabilità delle valvole e per ridurre il numero di lunghezze delle viti di fissaggio. La lunghezza in presa raccomandata delle viti di fissaggio per superfici di montaggio di materiali ferrosi è 1,25 D.
- Le dimensioni che definiscono l'area delimitata dai segmenti a tratto e punto in grassetto sono le dimensioni minime della superficie di montaggio. Gli angoli del rettangolo possono essere arrotondati con un raggio massimo, r_{max} , uguale al diametro di filettatura delle viti di fissaggio. Lungo ciascun asse, i fori di fissaggio sono ad uguale distanza dai bordi della superficie di montaggio.
- Questa dimensione dà lo spazio minimo richiesto per una valvola con questa superficie di montaggio. Questa dimensione è anche la distanza minima tra gli assi di simmetria di due superfici di montaggio identiche posizionate su un blocco collettore. Si richiama l'attenzione dei costruttori di valvole sul fatto che nessuna parte della larghezza dell'assemblaggio completo della valvola deve eccedere questa dimensione.
- Foro cieco nella superficie di montaggio per la spina di accoppiamento montata sulle valvole. La profondità minima è 4 mm.

Nota 1 - Il fornitore deve stabilire la pressione massima di esercizio per sottobassi e bocchi collettori.
Nota 2 - Vedere figura 4 per i simboli grafici.

Asse	P	A	T
	∅ 14,7 max.	∅ 14,7 max.	∅ 14,7 max.
x	43,0	25,4	43,0
y	51,8	31,1	10,2

UNI
UNI ISO 6263-1999

ISO 6263-07-09-* -97

figura 9 Superfici di montaggio per valvole di regolazione della portata con bocche principali di diametro massimo 17,5 mm (taglia 07)

Dimensioni in mm

Codice: 6263-07-09-97

- La profondità minima della filettatura è 1,5 volte il diametro D della vite. La profondità di filettatura raccomandata è 20 + 6 mm per facilitare l'intercambiabilità delle valvole e per ridurre il numero di lunghezze delle viti di fissaggio. La lunghezza in presa raccomandata delle viti di fissaggio per superfici di montaggio di materiali ferrosi è 1,25 D.
- Le dimensioni che definiscono l'area delimitata dai segmenti a tratto e punto in grassetto sono le dimensioni minime della superficie di montaggio. Gli angoli del rettangolo possono essere arrotondati con un raggio massimo, r_{max} , uguale al diametro di filettatura delle viti di fissaggio. Lungo ciascun asse, i fori di fissaggio sono ad uguale distanza dai bordi della superficie di montaggio.
- Questa dimensione dà lo spazio minimo richiesto per una valvola con questa superficie di montaggio. Questa dimensione è anche la distanza minima tra gli assi di simmetria di due superfici di montaggio identiche posizionate su un blocco collettore. Si richiama l'attenzione dei costruttori di valvole sul fatto che nessuna parte della larghezza dell'assemblaggio completo della valvola deve eccedere questa dimensione.
- Foro cieco nella superficie di montaggio per la spina di accoppiamento montata sulle valvole. La profondità minima è 4 mm.

Nota 1 - Il fornitore deve stabilire la pressione massima di esercizio per sottobassi e bocchi collettori.
Nota 2 - Vedere figura 4 per i simboli grafici.

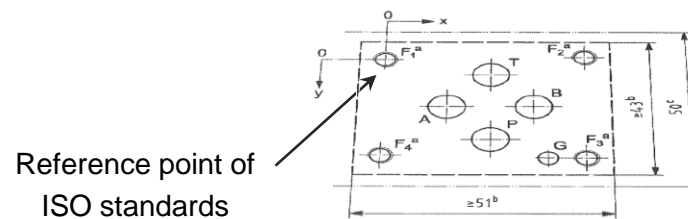
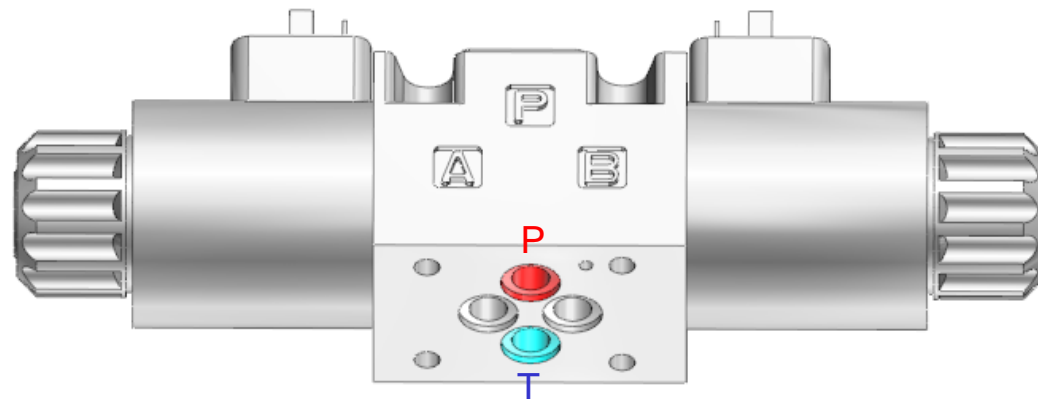
Asse	P	A	T
	∅ 17,5 max.	∅ 17,5 max.	∅ 17,5 max.
x	62,0	38,1	62,0
y	62,9	38,1	15,2

UNI
UNI ISO 6263-1999

ISO and CETOP STANDARDS

The compliance of the mounting surface with ISO and CETOP STANDARDS guarantees **full interchangeability** with major players like Bosch-Rexroth, Eaton-Vickers and Parker

- ▶ Directional control valve

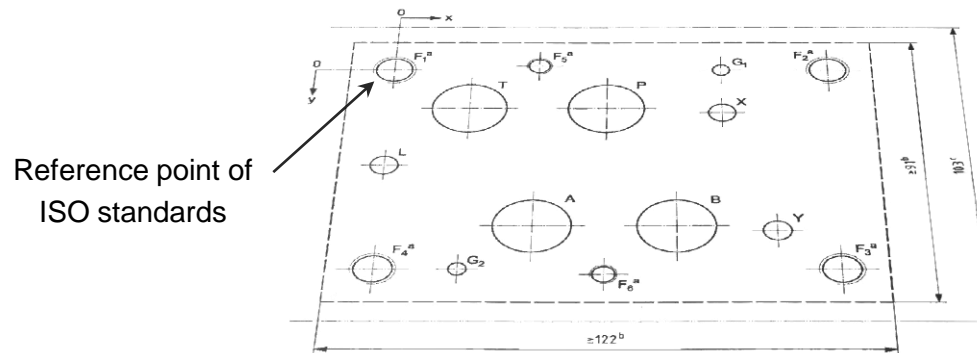
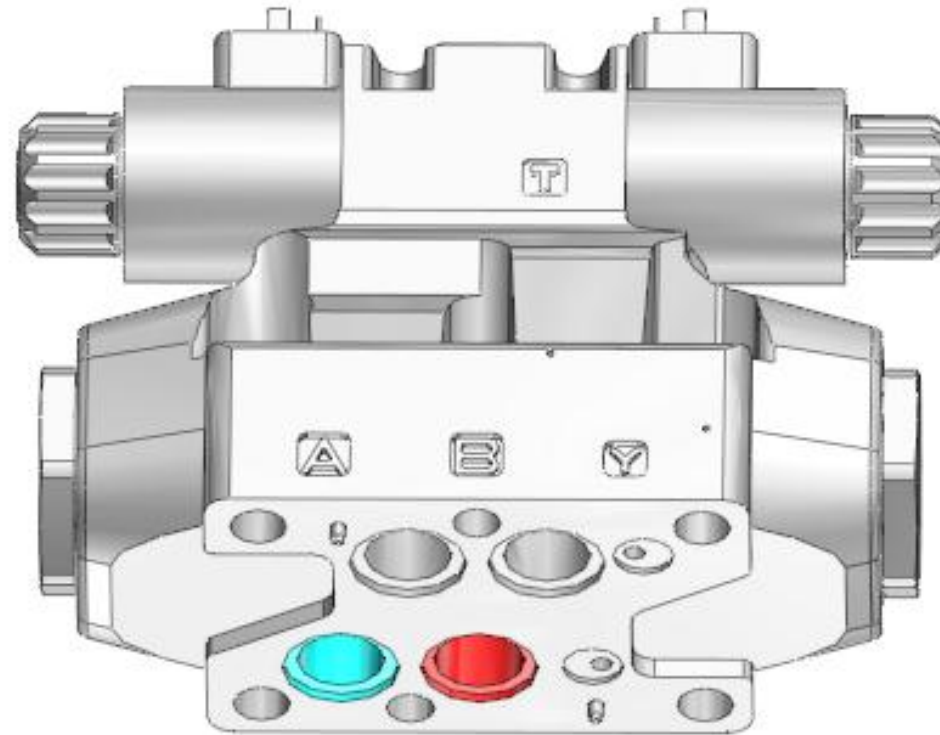


- ▶ ISO 4401-03
(CETOP 03)

P (pressure) port is identified by **red colour** and **T (outlet)** port is identified by **blue** colour in all our 3D models for the correct valve mounting on the plate or manifold

ISO and CETOP standards

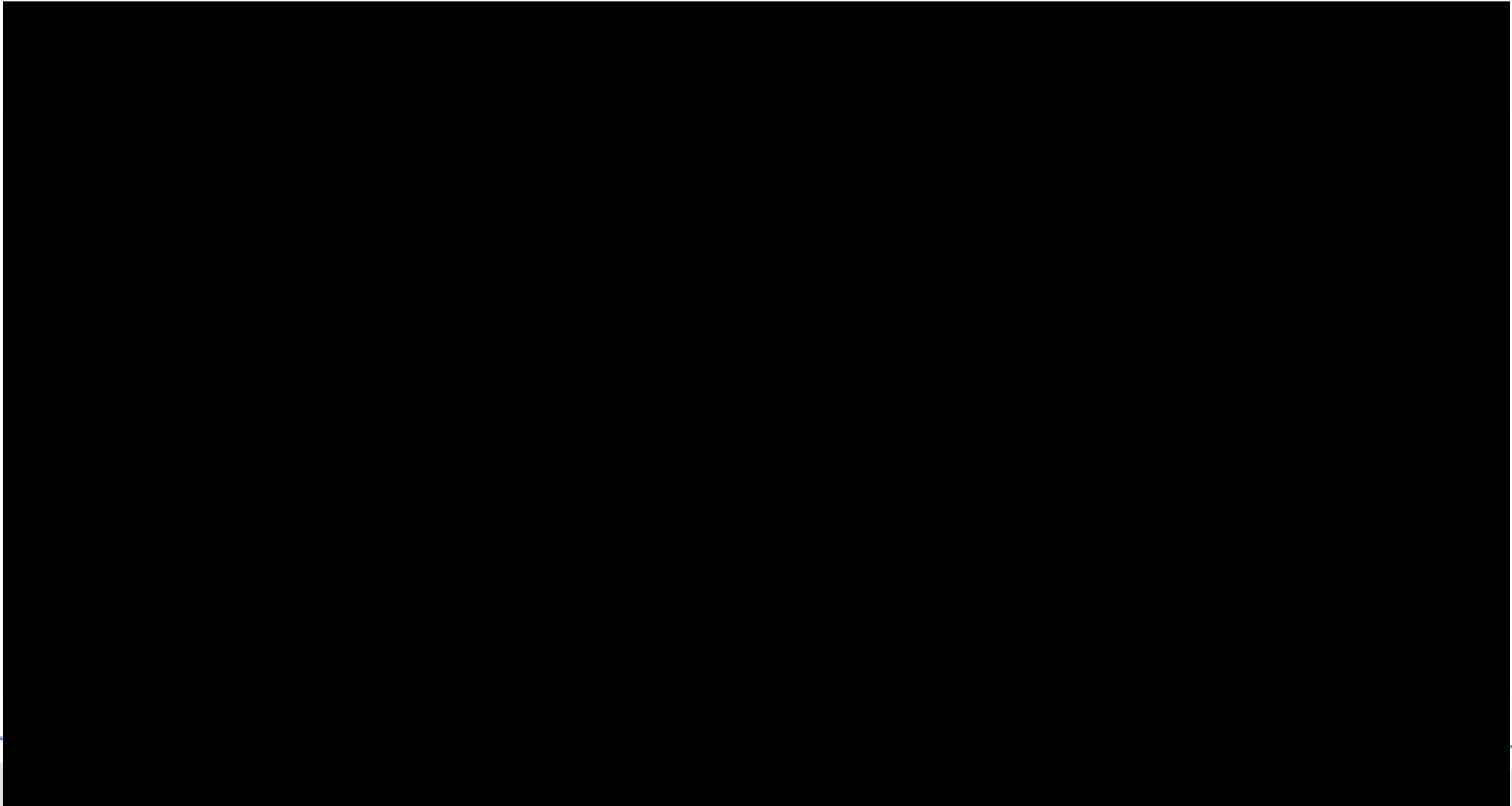
- ▶ Pilot operated directional control valve



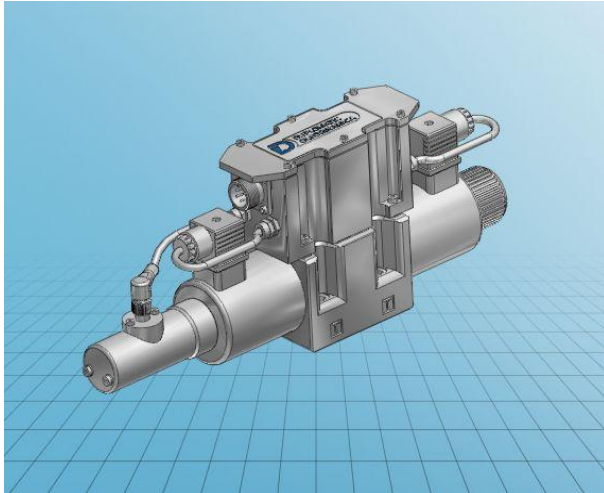
- ▶ ISO 4401-07 (CETOP 07)

ISO and CETOP standards

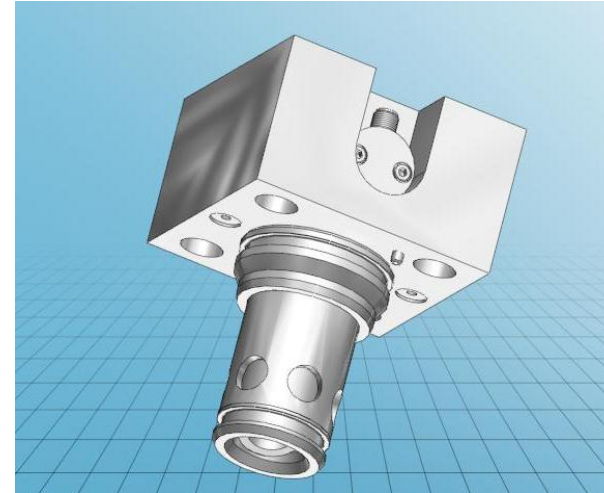
- ▶ Modular valves assembling animation



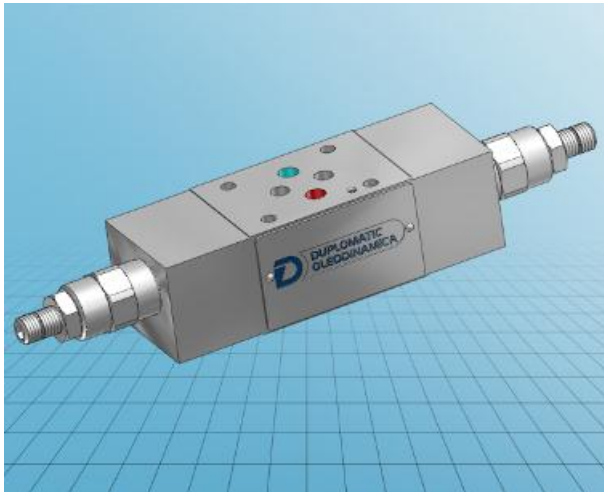
3D catalogue PRODUCT RANGE



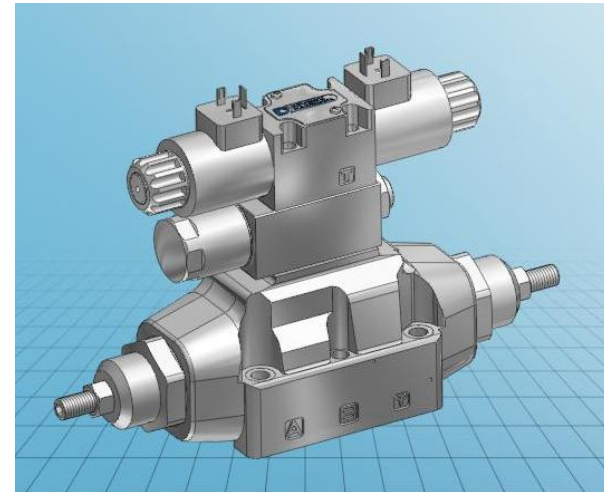
- ▶ Proportional valves with integrated electronics



- ▶ Logic elements

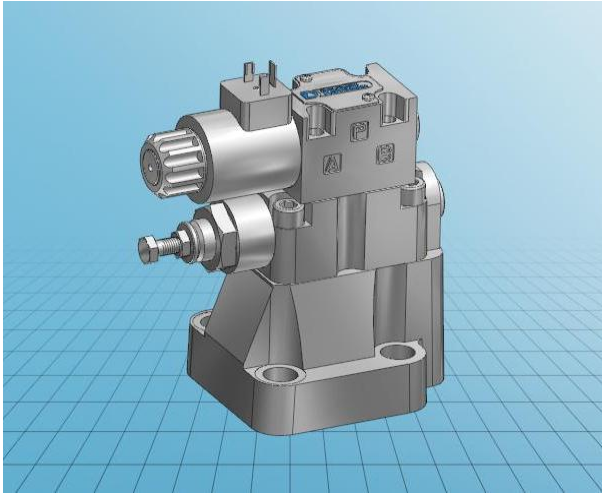


- ▶ Modular valves

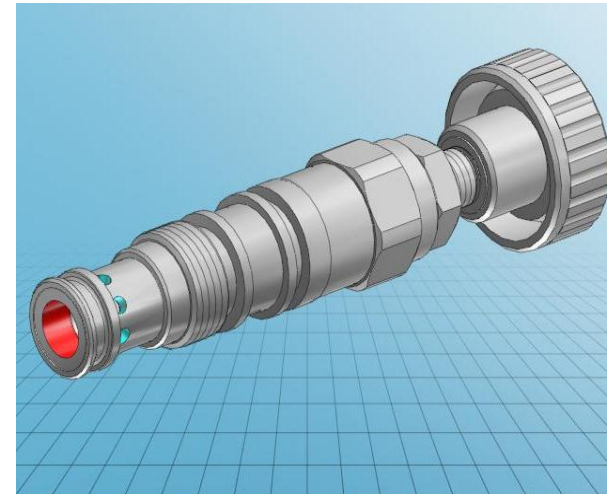


- ▶ Piloted distributors

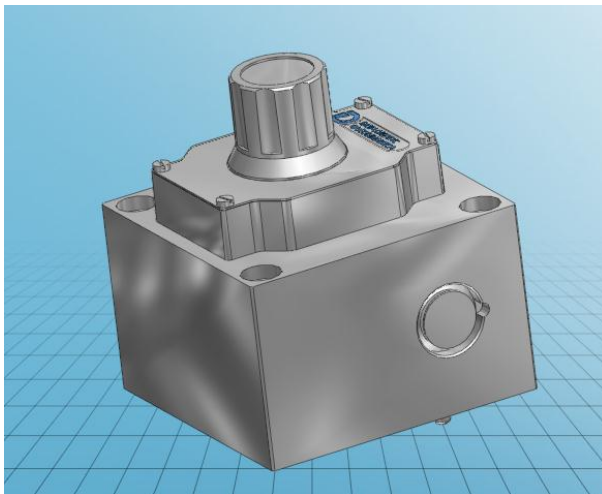
3D catalogue PRODUCT RANGE



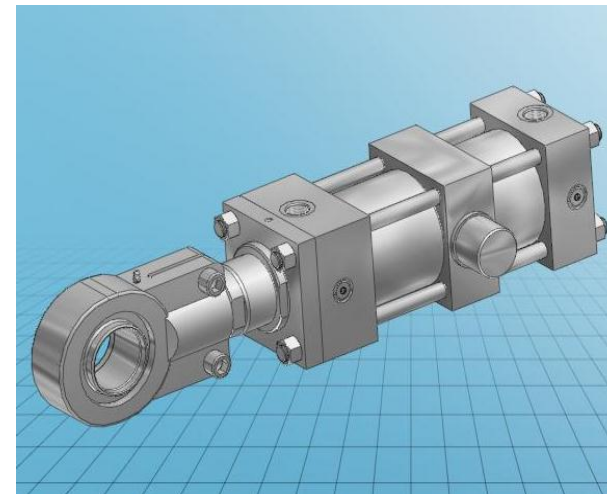
▶ Pressure control valves



▶ Cartridge valve

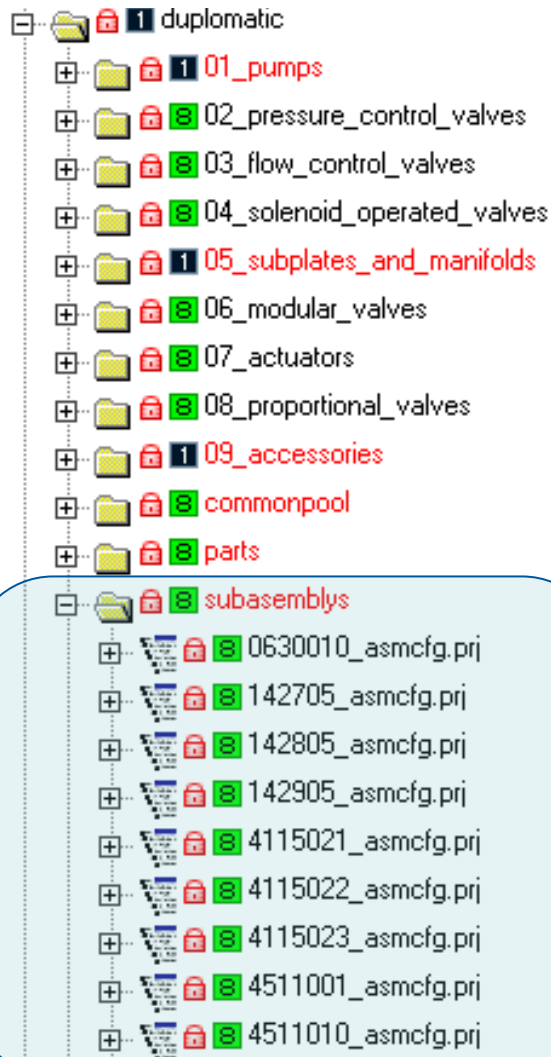


▶ Flow control valves



▶ Hydraulic cylinders

► Diplomatic PARTProject structure



USE OF SUBASSEMBLIES

Diplomatic products are made of modular parts that can be combined.

For this reason the CADENAS development Team has used subassemblies for our catalogue project.

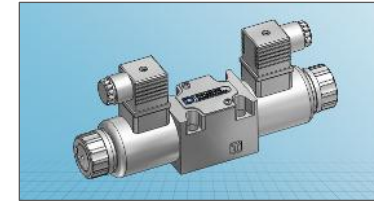
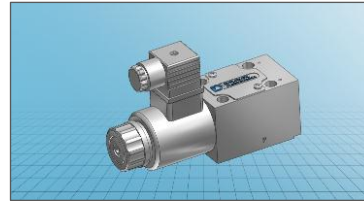
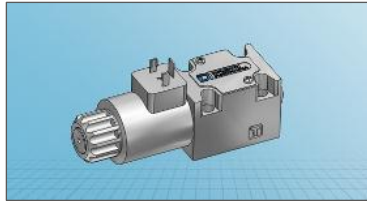
Subassemblies have their own configurator (.asmcfg), linked to the main product one.

The use of subassemblies, with a structure similar to the one used in our productive processes, allows:

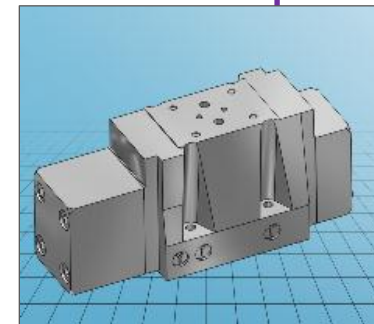
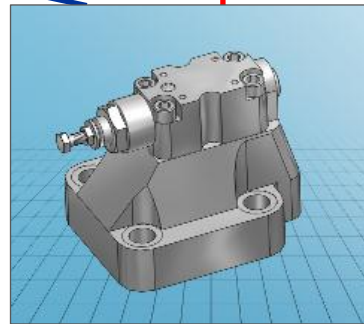
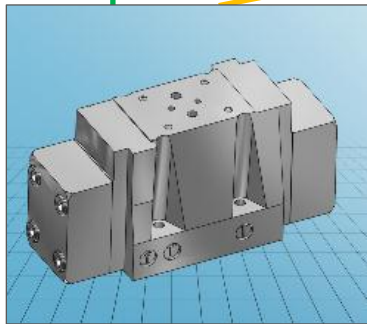
- a more linear flow of the information between the Technical Office of the eCATALOGSolution customer and the CADENAS Team
- a facilitated handling of the editing which is better than the use of single part projects (.3db)

HOW WE BUILT OUR 3D CATALOGUE

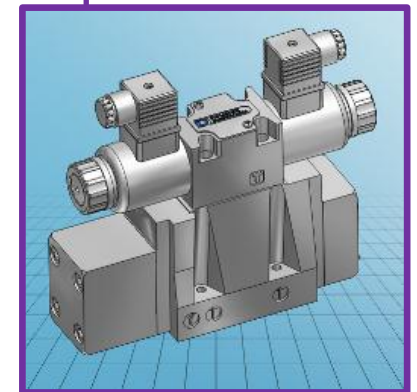
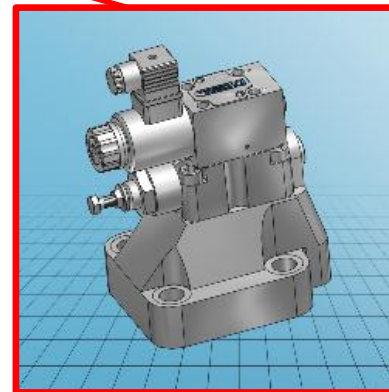
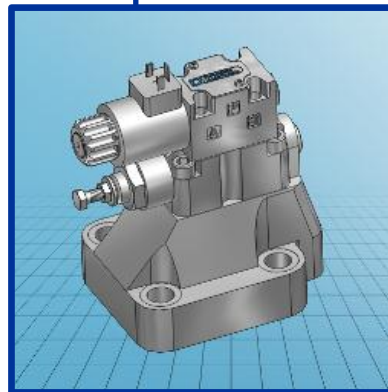
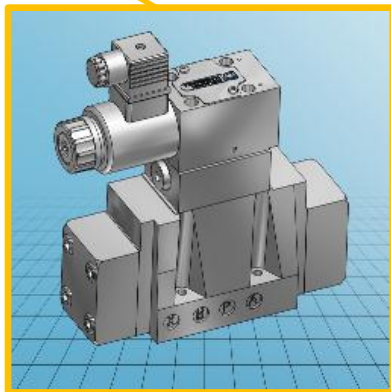
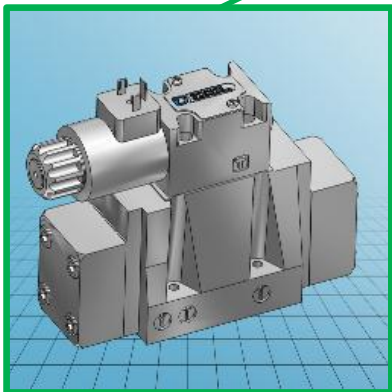
▶ PILOT VALVE



▶ DISTRIBUTOR



▶ COMPLETE VALVE



E4P4

DZCE5

RQM7

PRE32

DSPE5

VALVE CONFIGURATOR

► Extreme accuracy of the 3D model for the optimisation of user's project dimensions

Symbole Suche

DS3-S1/11N-D12K1

TIPO (Type): DS3

CG (Soft-shifting):
[Dropdown] Übernehmen

ST (Spool type): S1
S1 Übernehmen

SR (Series No.): 11

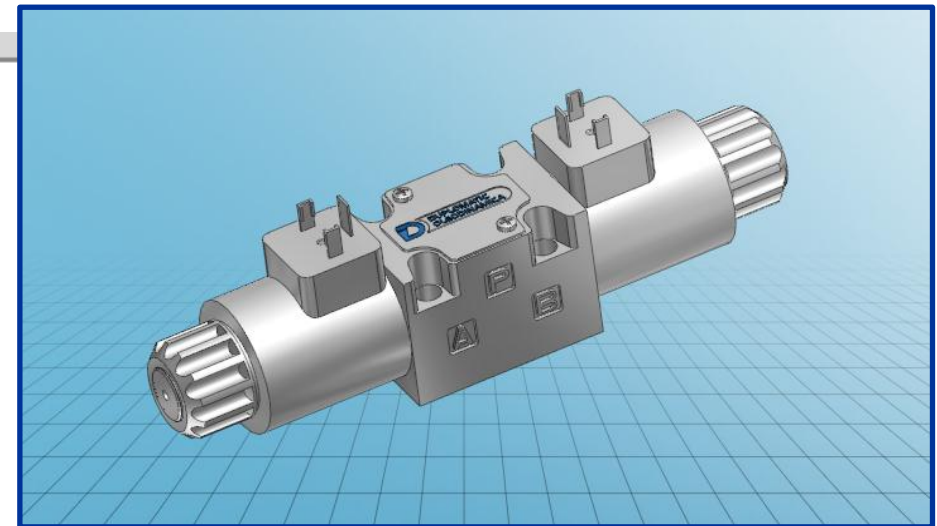
GU (Seals): N = NBR
N = NBR Übernehmen

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC Übernehmen

K (Coil electrical connection): K1 = plug for connector type DIN 43650
K1 = plug for connector type DIN 43650

MO (Manual override):
[Dropdown] Übernehmen

W (Surface treatment):
[Dropdown] Übernehmen



- D12 = 12 V DC
- D12 = 12 V DC
- D24 = 24 V DC
- D28 = 28 V DC
- D48 = 48 V DC
- D110 = 110 V DC
- D220 = 220 V DC
- D00 = valve without coils in direct current
- A24 = 24 V - 50 Hz
- A48 = 48 V - 50 Hz
- A110 = 110 V - 50 Hz / 120 V - 60 Hz
- A230 = 230 V - 50 Hz / 240 V - 60 Hz
- F110 = 110 V - 60 Hz
- F220 = 220 V - 60 Hz
- A00 = valve without coils in alternating current

VALVE CONFIGURATOR

Willkommen CAD MODELLE

Symbole

DS3-S1/11N-D12K1

TIPO (Type): DS3

CG (Soft-shifting):
[Dropdown] Übernehmen

ST (Spool type): S1
S1 Übernehmen

SR (Series No.): 11

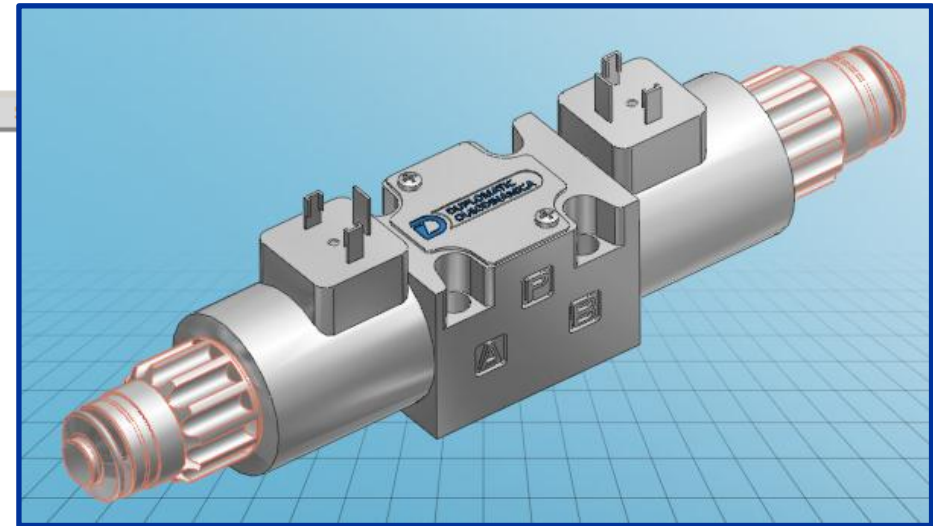
GU (Seals): N = NBR
N = NBR Übernehmen

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC Übernehmen

K (Coil electrical connection): K1 = plug for connector type DIN 43650
K1 = plug for connector type DIN 43650

MO (Manual override):
[Dropdown] Übernehmen

CH = lever manual override
CM = manual override
CP = push manual override
CPK = push manual override with mechanical retention



VALVE CONFIGURATOR

Willkommen CAD MODELLE

Symbole

DS3-S1/11N-D12K1

TIPO (Type): DS3

CG (Soft-shifting):
[Dropdown] Übernehmen

ST (Spool type): S1
S1 Übernehmen

SR (Series No.): 11

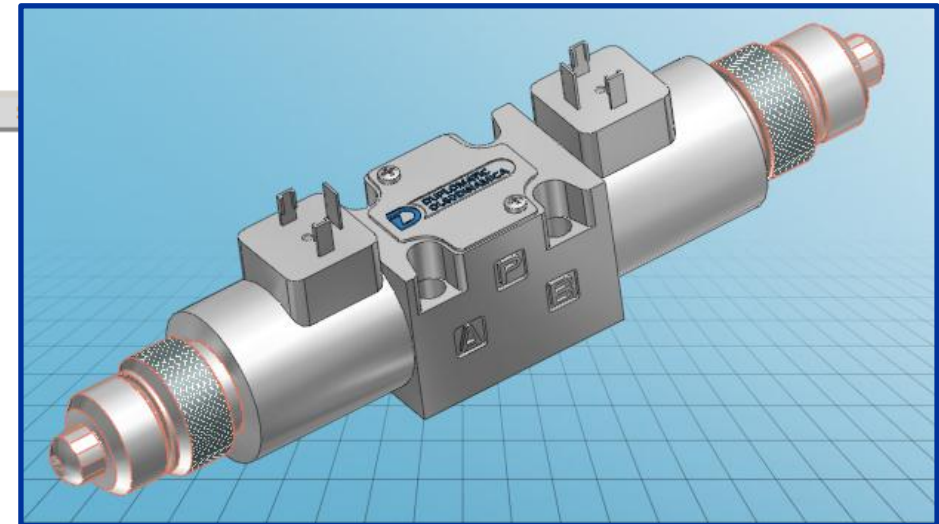
GU (Seals): N = NBR
N = NBR Übernehmen

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC Übernehmen

K (Coil electrical connection): K1 = plug for connector type DIN 43650
K1 = plug for connector type DIN 43650

MO (Manual override):
[Dropdown] Übernehmen

CH = lever manual override
CM = manual override
CP = push manual override
CPK = push manual override with mechanical retention



VALVE CONFIGURATOR

Willkommen CAD MODELLE

Symbole

DS3-S1/11N-D12K1

TIPO (Type): DS3

CG (Soft-shifting):
[Dropdown menu]

ST (Spool type): S1
S1

SR (Series No.): 11

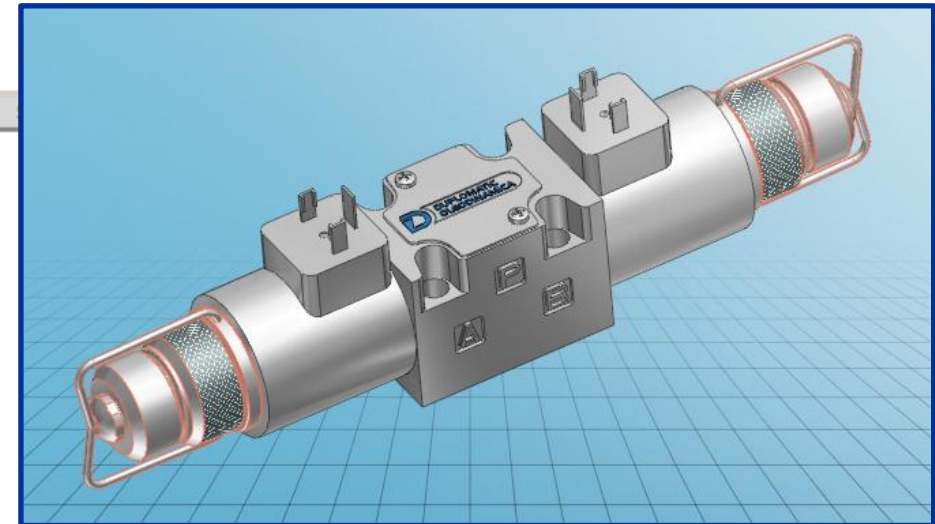
GU (Seals): N = NBR
N = NBR

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650
K1 = plug for connector type DIN 43650

MO (Manual override):
[Dropdown menu]

CH = lever manual override
CM = manual override
CP = push manual override
CPK = push manual override with mechanical retention



VALVE CONFIGURATOR

Willkommen CAD MODELLE

Symbole

DS3-S1/11N-D12K1

TIPO (Type): DS3

CG (Soft-shifting):
[Dropdown menu]

ST (Spool type): S1
S1

SR (Series No.): 11

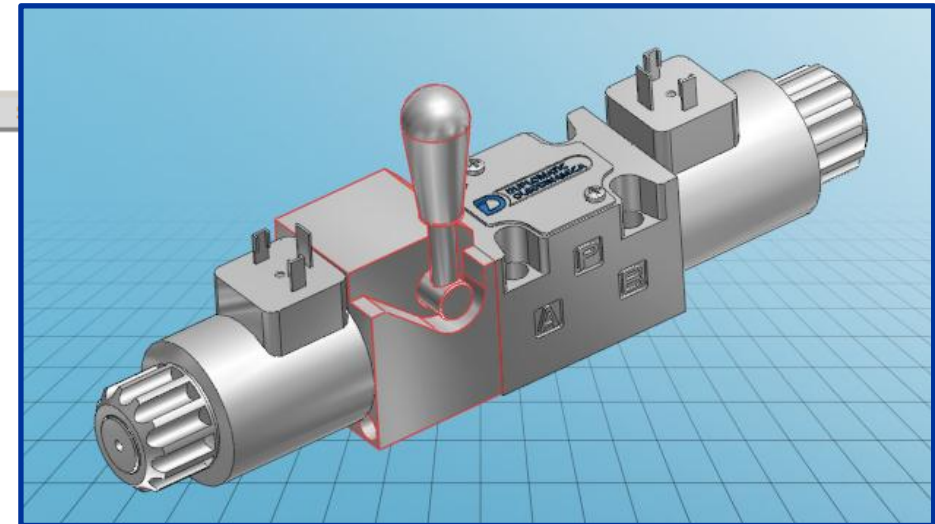
GU (Seals): N = NBR
N = NBR

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650
K1 = plug for connector type DIN 43650

MO (Manual override):
[Dropdown menu]


CH = lever manual override
CM = manual override
CP = push manual override
CPK = push manual override with mechanical retention



VALVE CONFIGURATOR

Symbole

Variablen

 **DL3-S1/10N-D12K1**

TIPO (Type): DL3

ST (Spool type): S1
S1

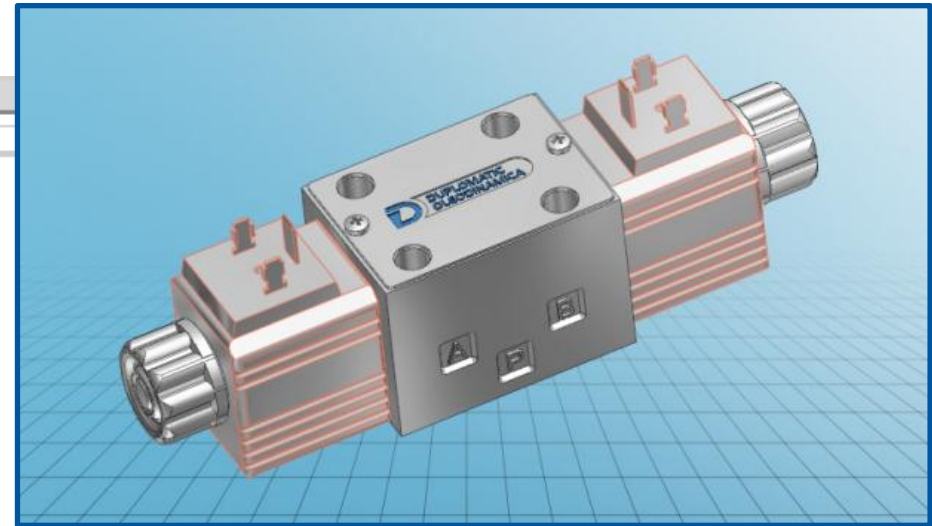
SR (Series No.): 10

GU (Seals): N = NBR
N = NBR

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650

K1 = plug for connector type DIN 43650
 K2 = plug for connector type AMP JUNIOR
 K4 = outgoing cables
 K7 = plug for connector type DEUTSCH DT04-2P male
 K8 = plug for connector type AMP SUPER SEAL




Choice of several connectors for mobile applications

VALVE CONFIGURATOR

Symbole

Variablen

 **DL3-S1/10N-D12K1**

TIPO (Type): DL3

ST (Spool type): S1
S1

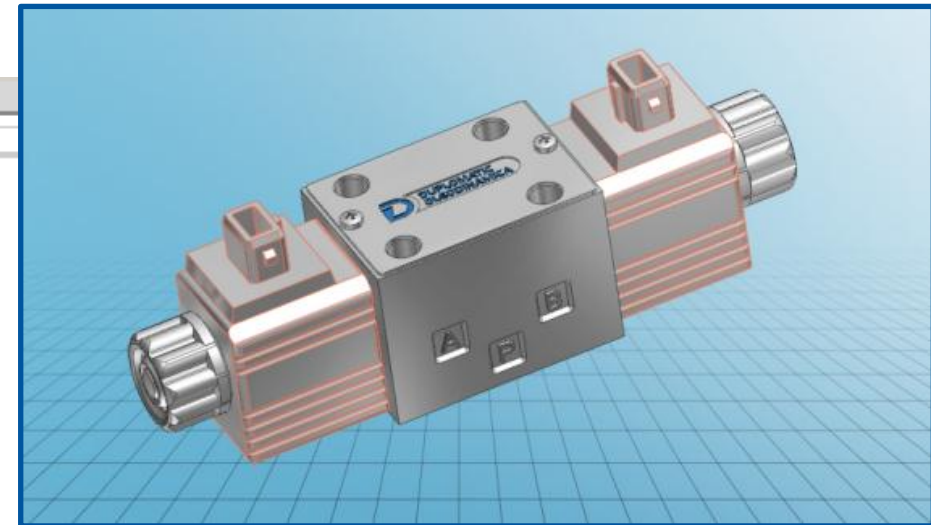
SR (Series No.): 10

GU (Seals): N = NBR
N = NBR

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650


K1 = plug for connector type DIN 43650
 K2 = plug for connector type AMP JUNIOR
K4 = outgoing cables
K7 = plug for connector type DEUTSCH DT04-2P male
 K8 = plug for connector type AMP SUPER SEAL



VALVE CONFIGURATOR

Symbole

Variablen

 **DL3-S1/10N-D12K1**

TIPO (Type): DL3

ST (Spool type): S1

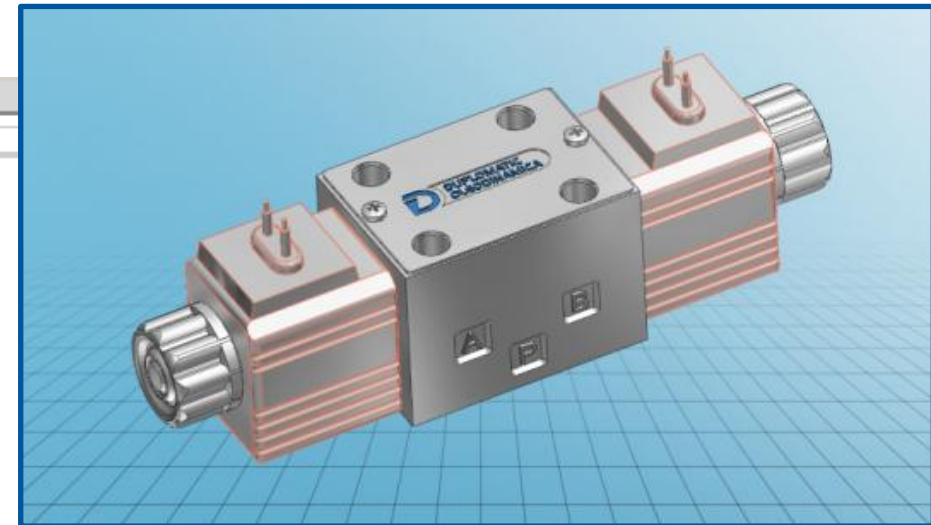
SR (Series No.): 10

GU (Seals): N = NBR

DC (Power supply): D12 = 12 V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650


K1 = plug for connector type DIN 43650
 K2 = plug for connector type AMP JUNIOR
 K4 = outgoing cables
 K7 = plug for connector type DEUTSCH DT04-2P male
 K8 = plug for connector type AMP SUPER SEAL



VALVE CONFIGURATOR

Symbole

Variablen

 **DL3-S1/10N-D12K1**

TIPO (Type): DL3

ST (Spool type): S1
S1

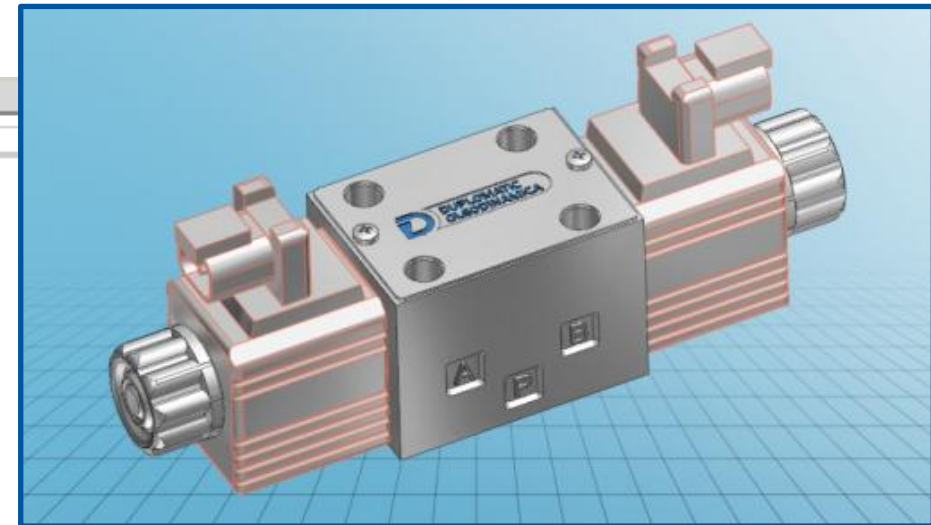
SR (Series No.): 10

GU (Seals): N = NBR
N = NBR

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650


K1 = plug for connector type DIN 43650
 K2 = plug for connector type AMP JUNIOR
 K4 = outgoing cables
 K7 = plug for connector type DEUTSCH DT04-2P male
 K8 = plug for connector type AMP SUPER SEAL



VALVE CONFIGURATOR

Symbole

Variablen

 **DL3-S1/10N-D12K1**

TIPO (Type): DL3

ST (Spool type): S1
S1

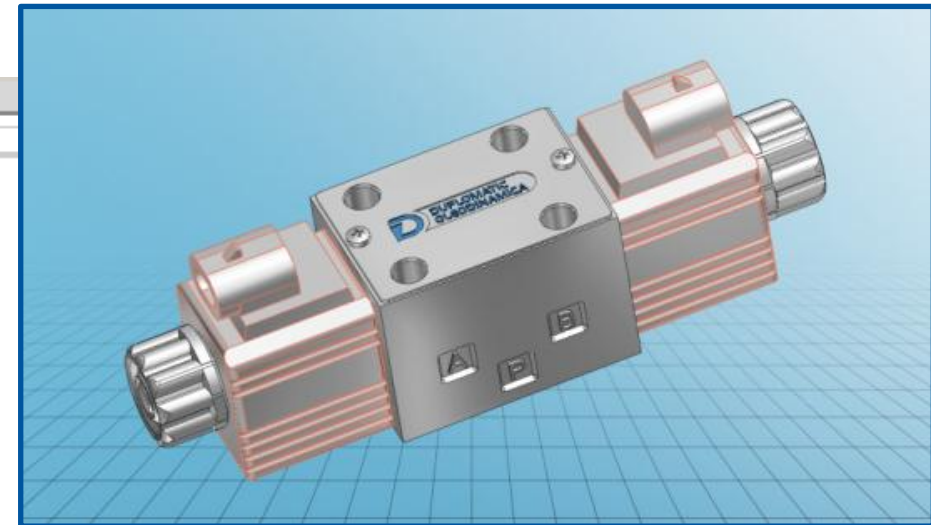
SR (Series No.): 10

GU (Seals): N = NBR
N = NBR

DC (Power supply): D12 = 12 V DC
D12 = 12 V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650

K1 = plug for connector type DIN 43650
 K2 = plug for connector type AMP JUNIOR
 K4 = outgoing cables
 K7 = plug for connector type DEUTSCH DT04-2P male
 K8 = plug for connector type AMP SUPER SEAL



BANKABLE VALVES CONFIGURATOR

► Proportional module 1

Symbole Suche

BLS6-PC15/15/11V-D12K1

TIPO (Type): BLS6

ST (Spool type): PC = Closed centers for proportional modules
PC = Closed centers for proportional modules

SP (Solenoid position):

SF (Spool nominal flow): 15/15 = 15 l/min symmetrical
15/15 = 15 l/min symmetrical

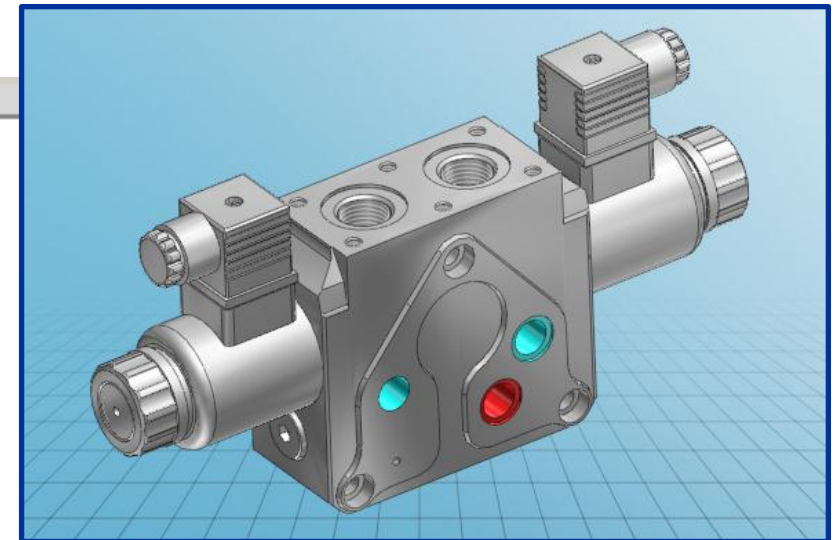
SR (Series No.): 11

GU (Seals): V = FPM seals for special fluids

DC (Nominal solenoid voltage): D12 = Nominal solenoid voltage 12V DC
D12 = Nominal solenoid voltage 12V DC

K (Coil electrical connection): K1 = plug for connector type DIN 43650 (standard)
K1 = plug for connector type DIN 43650 (standard)

MO (Manual override):



**3 different subprojects
for 1 bankable valve**

Symbole



[BLS6 - Modules to assemble](#)



[BLS6 - Inlet modules/End plate modules](#)




[BLS6 - Fixing kit](#)

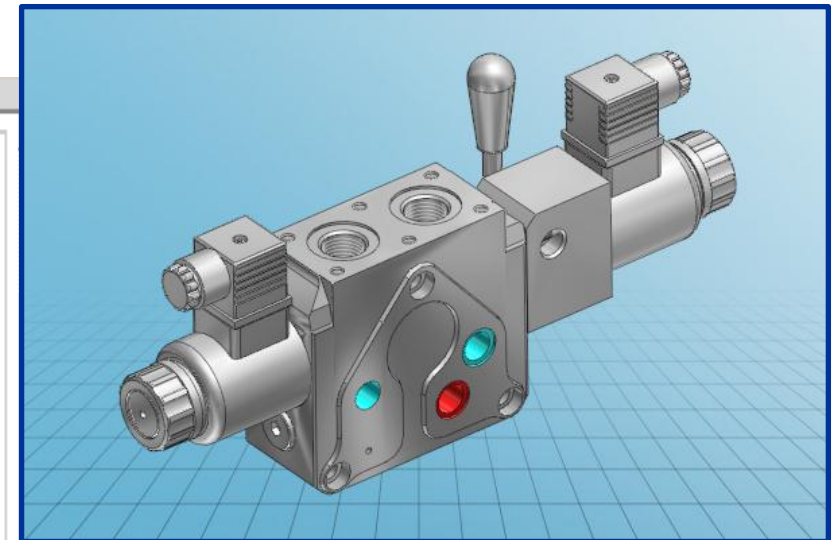


[Catalogue](#)

BANKABLE VALVES CONFIGURATOR

► Proportional module 2

Symbole	Suche
	<input checked="" type="checkbox"/> BLS6-PC15/15/11V-D12K1/CH
	<input checked="" type="checkbox"/> TIPO (Type): BLS6
	<input checked="" type="checkbox"/> ST (Spool type): PC = Closed centers for proportional modules
	PC = Closed centers for proportional modules <input type="button" value="Übernehmen"/>
	<input checked="" type="checkbox"/> SP (Solenoid position):
	<input type="button" value="Übernehmen"/>
	<input checked="" type="checkbox"/> SF (Spool nominal flow): 15/15 = 15 l/min symmetrical
	15/15 = 15 l/min symmetrical <input type="button" value="Übernehmen"/>
	<input checked="" type="checkbox"/> SR (Series No.): 11
	<input checked="" type="checkbox"/> GU (Seals): V = FPM seals for special fluids
	<input checked="" type="checkbox"/> DC (Nominal solenoid voltage): D12 = Nominal solenoid voltage 12V DC
	D12 = Nominal solenoid voltage 12V DC <input type="button" value="Übernehmen"/>
	<input checked="" type="checkbox"/> K (Coil electrical connection): K1 = plug for connector type DIN 43650
	(standard) K1 = plug for connector type DIN 43650 (standard) <input type="button" value="Übernehmen"/>
	<input checked="" type="checkbox"/> MO (Manual override): CH = lever manual override
	CH = lever manual override <input type="button" value="Übernehmen"/>




BANKABLE VALVES CONFIGURATOR

► Inlet module

Symbole Suche

Variablen

 **BLS6-CF6/11V**

TIPO (Type): BLS6

CP (Version): CF = for fixed pump
CF = for fixed pump

PR (Pressure adjustment range): 6 = from 15 to 315 bar
6 = from 15 to 315 bar




SR (Series): 11

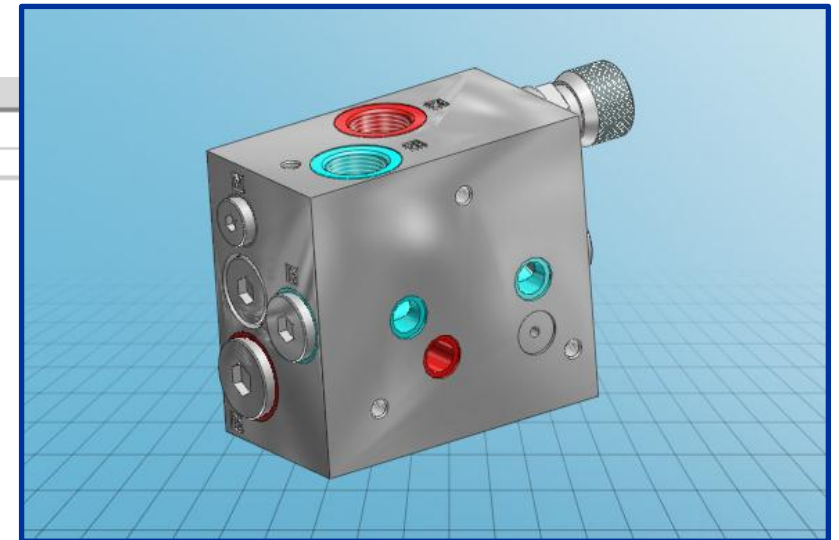
GU (Seals): V = FPM seals for special fluids
V = FPM seals for sp

⚙ **Legende**

<input checked="" type="checkbox"/>	Aktion erfolgreich
<input type="checkbox"/>	Aktion nicht erfolgreich

Aktionen

 [Generiere CAD MODELL](#)  [Generiere PDF-Datenblatt](#)  [Generiere Vorschau](#)




BANKABLE VALVES CONFIGURATOR

► End plate

Symbole Suche

Variablen

 **BLS6-C91/11**

TIPO (Type): BLS6

CP (Version): C91 = without load sensing port

C91 = without load sensing port

PR (Pressure adjustment range):




SR (Series): 11

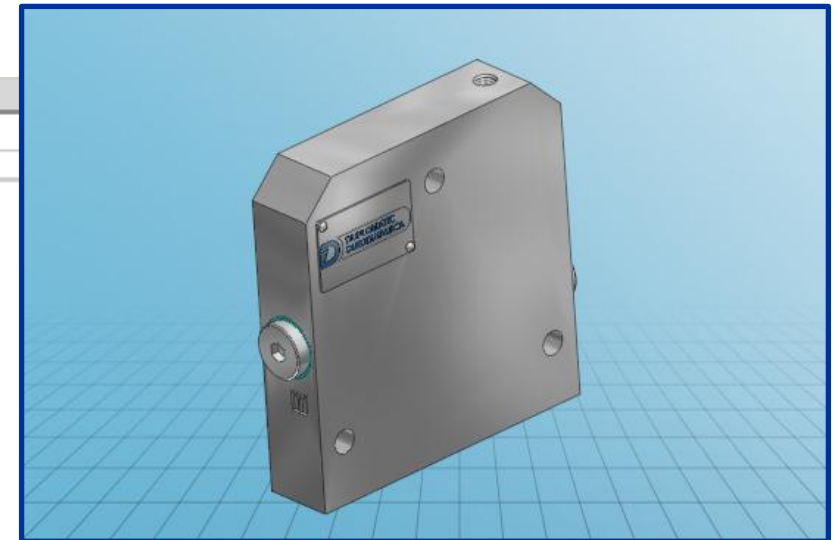
GU (Seals):

⚙ **Legende**

<input checked="" type="checkbox"/>	Aktion erfolgreich
<input checked="" type="checkbox"/>	Aktion nicht erfolgreich

Aktionen

 [Generiere CAD MODELL](#)  [Generiere PDF-Datenblatt](#)  [Generiere Vorschau](#)









BANKABLE VALVES CONFIGURATOR

► Fixing kit

Symbole Suche

Tabelle

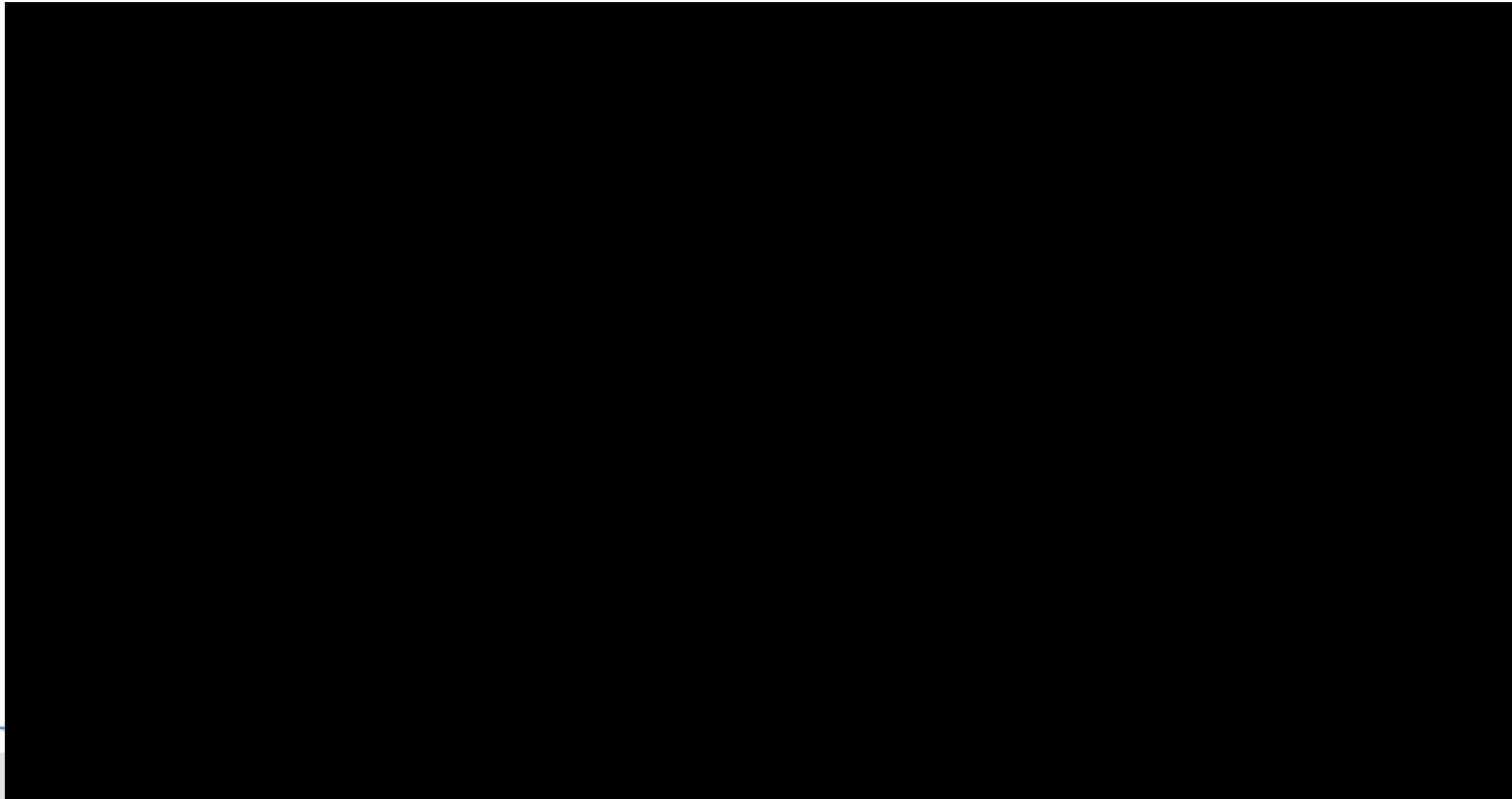
	LINA Stückliste	Zeile	ID Kit code	MD No. of body modules
<input type="radio"/> 	<u>3404150010</u>	1	3404150010	2
<input type="radio"/> 	<u>3404150011</u>	2	3404150011	3
<input type="radio"/> 	<u>3404150012</u>	3	3404150012	4
<input type="radio"/> 	<u>3404150013</u>	4	3404150013	5
<input type="radio"/> 	<u>3404150014</u>	5	3404150014	6
<input type="radio"/> 				



BANKABLE VALVES CONFIGURATOR



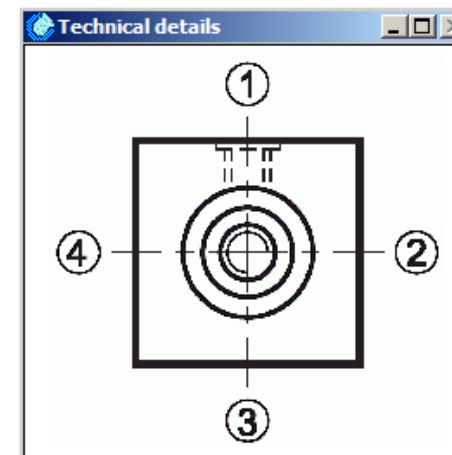
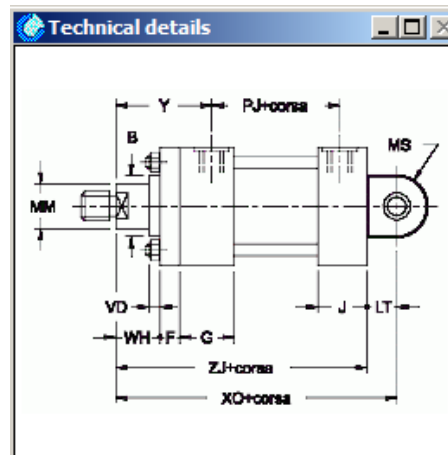
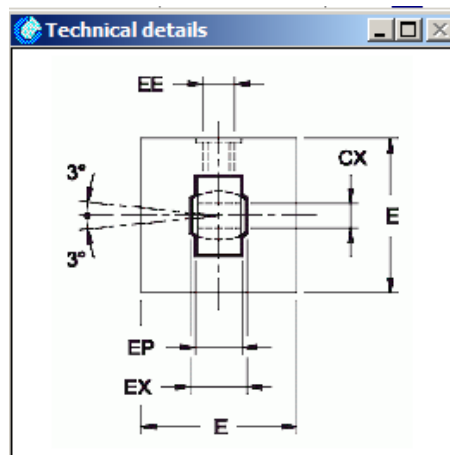
- ▶ Bankable valves assembling animations



3D CYLINDER CONFIGURATOR

- ▶ The compliance with ISO 6020/2 STANDARDS of Duplomatic cylinders guarantees interchangeability with major players

	B	CX	E	EE	EP	EX	F	G	J	LT	MS	PJ	VD
	∅ f8 [mm]	∅ [mm]	max [mm]	BSP [INCH]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
14	60	30 (0/-0.012)	90	1/2"	19	22 (0/-0.12)	15	55	45	38	40	80	14
15	50	40 (0/-0.012)	115	3/4"	23	28 (0/-0.12)	20	65	52	48	50	93	5
16	60	40 (0/-0.012)	115	3/4"	23	28 (0/-0.12)	20	65	52	48	50	93	9
17	72	40 (0/-0.012)	115	3/4"	23	28 (0/-0.12)	20	65	52	48	50	93	9
18	60	50 (0/-0.012)	130	3/4"	30	35 (0/-0.12)	22	69	55	58	62	101	7
19	72	50 (0/-0.012)	130	3/4"	30	35 (0/-0.12)	22	69	55	58	62	101	7
20	88	50 (0/-0.012)	130	3/4"	30	35 (0/-0.12)	22	69	55	58	62	101	10
21	72	60 (0/-0.015)	165	1"	38	44 (0/-0.15)	22	78	71	72	80	117	6
22	88	60 (0/-0.015)	165	1"	38	44 (0/-0.15)	22	78	71	72	80	117	10
23	108	60 (0/-0.015)	165	1"	38	44 (0/-0.15)	22	78	71	72	80	117	10



3D CYLINDER CONFIGURATOR

- ▶ Leads the purchaser to the correct description
- ▶ Supports the designers during the special versions identification

Katalog

- Group 7: ACTUATORS (2)
 - 71 000 HC2 Hydraulic cylinders ISO 6020-:
 - Single rod cylinder (14)
 - Type A - Front flange (ME5)
 - Type B - Rear flange (ME6)
 - Type C - Female clevis (MP1)
 - Type D - Male clevis (MP3)
 - Type F - Spheric swivel (MP5)
 - Type G - Feet (MS2)
 - Type H - Front swinging (MT1)
 - Type L - Mid swinging (MT4)
 - Type N - Rear swinging (MT2)
 - Type P - Front tie rods (MX3)
 - Type Q - Back tie rods (MX2)
 - Type R - Front and back tie rods (MX)
 - Type T - Front threaded holes (MX5)
 - Type U - Back threaded holes (MX6)
 - Double rod cylinder (7)
 - Accessories (6)
 - Catalogue
 - 71 200 HC3 Hydraulic cylinders ISO 6022 (
- Group 8: PROPORTIONAL VALVES (30)
- Copyright

Symbols

HC2F-125/90-300-K0-0-11/20

SER (Series): 20

TIP (Type): Type F

SIZE (Bore): 125

MM (Rod Ø): 90

CORSA (Stroke): 300.0
300 Commit
Value must be between 1 and 5,000.

TI (Technical information): -

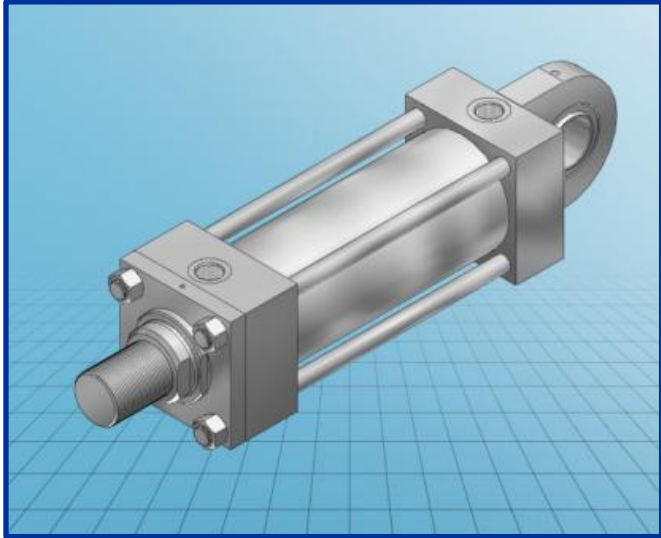
CORSAX (Effective stroke): 0
0 Commit
Value must be between 0 and 300.

TDS (Cushioning): Without cushioning
Without cushioning Commit

TDT (Rod threading): Male thread (standard)
Male thread (standard) Commit

WH (Dimension of rod extension): 35
35 Commit

Search



3D CYLINDER CONFIGURATOR

SP = special version for rod extension

Katalog

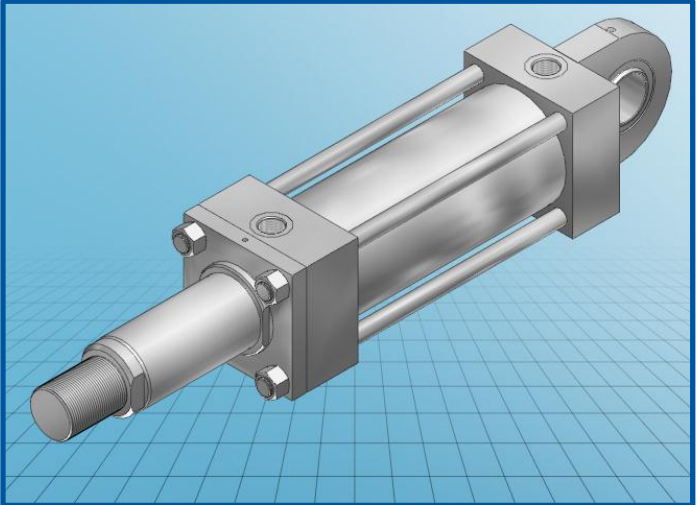
- Group 3: FLOW CONTROL VALVES (8)
- Group 4: DIRECTIONAL CONTROL VALVES (3)
- Group 6: MODULAR VALVES (19)
- Group 7: ACTUATORS (2)
 - 71 000 HC2 Hydraulic cylinders ISO 6020
 - Single rod cylinder (14)
 - Type A - Front flange (ME5)
 - Type B - Rear flange (ME6)
 - Type C - Female clevis (MP1)
 - Type D - Male clevis (MP3)
 - Type F - Spheric swivel (MP5)
 - Type G - Feet (MS2)
 - Type H - Front swinging (MT1)
 - Type L - Mid swinging (MT4)
 - Type N - Rear swinging (MT2)
 - Type P - Front tie rods (MX3)
 - Type Q - Back tie rods (MX2)
 - Type R - Front and back tie rods (MX1)
 - Type T - Front threaded holes (MX5)
 - Type U - Back threaded holes (MX6)
 - Double rod cylinder (7)
 - Accessories (6)
 - Catalogue
 - 71 200 HC3 Hydraulic cylinders ISO 6022
- Group 8: PROPORTIONAL VALVES (30)

Symbole

Suche

HC2F-125/90-300-K0-0-11/20/SP WH=200

- SER (Series): 20**
- TIP (Type): Type F**
- SIZE (Bore): 125**
- MM (Rod Ø): 90**
- CORSA (Stroke): 300.0**
300 Übernehmen
Der Wert muss zwischen 1 und 5.000 liegen.
- TI (Technical information): -**
- CORSAX (Effective stroke): 0**
0 Übernehmen
Der Wert muss zwischen 0 und 300 liegen.
- TDS (Cushioning): Without cushioning**
Without cushioning Übernehmen
- TDT (Rod threading): Male thread (standard)**
Male thread (standard) Übernehmen
- WH (Dimension of rod extension): 200**
200 Übernehmen
Der Wert muss zwischen 35 und 3.000 liegen.
- SA (Breathers): Without breathers**



3D CYLINDER CONFIGURATOR

Katalog

- Group 3: FLOW CONTROL VALVES (8)
- Group 4: DIRECTIONAL CONTROL VALVES (3)
- Group 6: MODULAR VALVES (19)
- Group 7: ACTUATORS (2)
 - 71 000 HC2 Hydraulic cylinders ISO 6020
 - Single rod cylinder (14)
 - Type A - Front flange (ME5)
 - Type B - Rear flange (ME6)
 - Type C - Female clevis (MP1)
 - Type D - Male clevis (MP3)
 - Type F - Spheric swivel (MP5)
 - Type G - Feet (MS2)
 - Type H - Front swinging (MT1)
 - Type L - Mid swinging (MT4)
 - Type N - Rear swinging (MT2)
 - Type P - Front tie rods (MX3)
 - Type Q - Back tie rods (MX2)
 - Type R - Front and back tie rods (MX1)
 - Type T - Front threaded holes (MX5)
 - Type U - Back threaded holes (MX6)
 - Double rod cylinder (7)
 - Accessories (6)
 - Catalogue
 - 71 200 HC3 Hydraulic cylinders ISO 6022
- Group 8: PROPORTIONAL VALVES (30)

Symbole

Suche

HC2F-125/90-300-K0-0-11/20/SP WH=200+Spherical swivel SSF-90

SER (Series): 20

TIP (Type): Type F

SIZE (Bore): 125

MM (Rod Ø): 90

CORSA (Stroke): 300.0
300 Übernehmen
Der Wert muss zwischen 1 und 5.000 liegen.

TI (Technical information): -

CORSAX (Effective stroke): 0
0 Übernehmen
Der Wert muss zwischen 0 und 300 liegen.

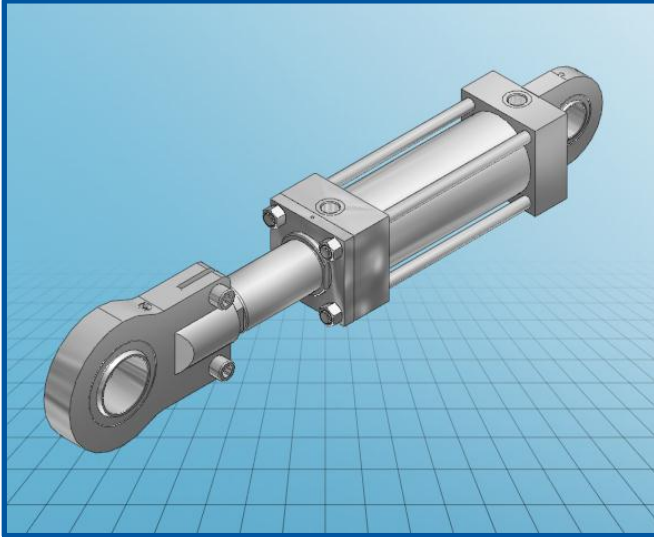
TDS (Cushioning): Without cushioning
Without cushioning Übernehmen

TDT (Rod threading): Male thread (standard)
Male thread (standard) Übernehmen

WH (Dimension of rod extension): 200
200 Übernehmen
Der Wert muss zwischen 35 und 3.000 liegen.

ASX (Rod accessory): Spherical swivel (ISO 8133/DIN 24555
Spherical swivel (ISO 8133/DIN 24555) Commit

ADX (Rear accessory): No
No Commit



3D CYLINDER CONFIGURATOR

Katalog

- Group 3: FLOW CONTROL VALVES (8)
- Group 4: DIRECTIONAL CONTROL VALVES (2)
- Group 6: MODULAR VALVES (19)
- Group 7: ACTUATORS (2)
 - 7 1 000 HC2 Hydraulic cylinders ISO 6020
 - Single rod cylinder (14)
 - Type A - Front flange (ME5)
 - Type B - Rear flange (ME6)
 - Type C - Female clevis (MP1)
 - Type D - Male clevis (MP3)
 - Type F - Spheric swivel (MP5)
 - Type G - Feet (MS2)
 - Type H - Front swinging (MT1)
 - Type L - Mid swinging (MT4)
 - Type N - Rear swinging (MT2)
 - Type P - Front tie rods (MX3)
 - Type Q - Back tie rods (MX2)
 - Type R - Front and back tie rods (MX1)
 - Type T - Front threaded holes (MX5)
 - Type U - Back threaded holes (MX6)
 - Double rod cylinder (7)
 - Accessories (6)
 - Catalogue
 - 7 1 200 HC3 Hydraulic cylinders ISO 6022
 - Group 8: PROPORTIONAL VALVES (30)

Symbole

HC2F-125/90-300-K0-0-11/20/SP WH=200+Spheric swivel SSF-90+Female clevis

flange for spheric swivel FLF-125

- SER (Series): 20
- TIP (Type): Type F
- SIZE (Bore): 125
- MM (Rod Ø): 90
- CORSA (Stroke): 300.0
300 Übernehmen
Der Wert muss zwischen 1 und 5.000 liegen.
- TI (Technical information): -
- CORSAX (Effective stroke): 0
0 Übernehmen
Der Wert muss zwischen 0 und 300 liegen.
- TDS (Cushioning): Without cushioning
Without cushioning Übernehmen
- TDT (Rod threading): Male thread (standard)
Male thread (standard) Übernehmen
- WH (Dimension of rod extension): 200
200 Übernehmen
Der Wert muss zwischen 35 und 3.000 liegen.
- ASX (Rod accessory): Spheric swivel (ISO 8133/DIN 24555
Spheric swivel (ISO 8133/DIN 24555) Commit
- ADX (Rear accessory): Female clevis flange for spheric swivel (DIN 24554)
Female clevis flange for spheric swivel (DIN 24554) Commit

Suche

The 3D model shows a single-rod hydraulic cylinder with a spherical swivel at the front end and a female clevis flange at the rear end. The cylinder is shown in a perspective view on a blue grid background.

3D CYLINDER CONFIGURATOR

► Control of the effective stroke value

The screenshot displays the 'Katalog' (Catalog) tree on the left, the 'Symbole' (Symbols) configuration panel in the center, and a 3D model of the configured hydraulic cylinder on the right.

Katalog

- Group 3: FLOW CONTROL VALVES (8)
- Group 4: DIRECTIONAL CONTROL VALVES (-)
- Group 6: MODULAR VALVES (19)
- Group 7: ACTUATORS (2)
 - 71 000 HC2 Hydraulic cylinders ISO 6020
 - Single rod cylinder (14)
 - Type A - Front flange (ME5)
 - Type B - Rear flange (ME6)
 - Type C - Female clevis (MP1)
 - Type D - Male clevis (MP3)
 - Type F - Spheric swivel (MP5)
 - Type G - Feet (MS2)
 - Type H - Front swinging (MT1)
 - Type L - Mid swinging (MT4)
 - Type N - Rear swinging (MT2)
 - Type P - Front tie rods (MX3)
 - Type Q - Back tie rods (MX2)
 - Type R - Front and back tie rods (MX1)
 - Type T - Front threaded holes (MX5)
 - Type U - Back threaded holes (MX6)
 - Double rod cylinder (7)
 - Accessories (6)
- Catalogue
- 71 200 HC3 Hydraulic cylinders ISO 6022
- Group 8: PROPORTIONAL VALVES (30)

Symbole

Suche

HC2F-125/90-300-K0-0-11/20/SP WH=200+Spheric swivel SSF-90+Female clevis

flange for spheric swivel FLF-125

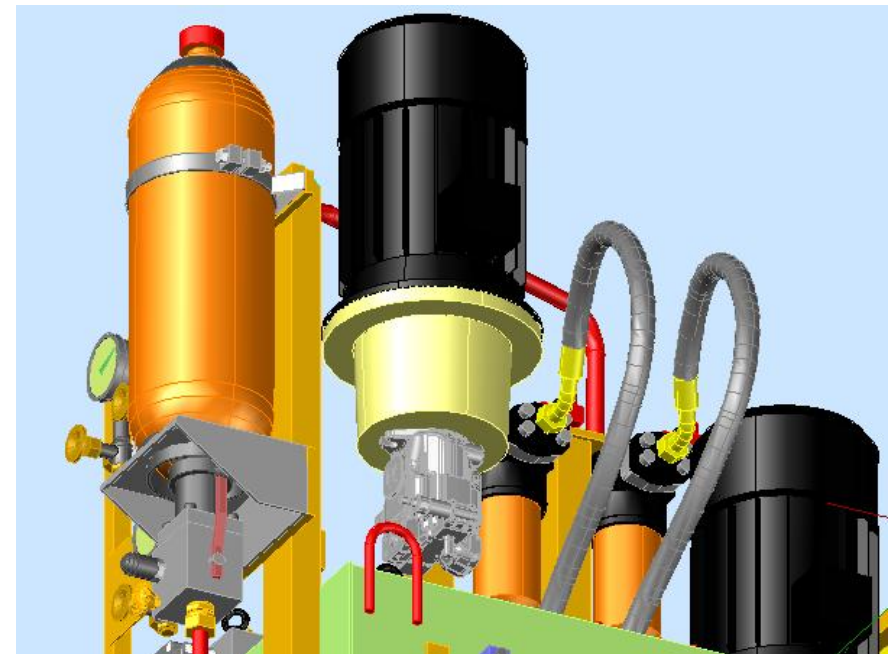
- SER (Series): 20
- TIP (Type): Type F
- SIZE (Bore): 125
- MM (Rod Ø): 90
- CORSA (Stroke): 300.0
300 Übernehmen
Der Wert muss zwischen 1 und 5.000 liegen.
- TI (Technical information): -
- CORSAX (Effective stroke): 1
150 Übernehmen
Der Wert muss zwischen 0 und 300 liegen.
- TDS (Cushioning): Without cushioning
Without cushioning Übernehmen
- TDT (Rod threading): Male thread (standard)
Male thread (standard) Übernehmen
- WH (Dimension of rod extension): 200
200 Übernehmen
Der Wert muss zwischen 35 und 3.000 liegen.

3D Model: A 3D rendering of a single-rod hydraulic cylinder with a spherical swivel end and a female clevis end, mounted on a blue grid background.

POWER UNITS 3D: steam turbines



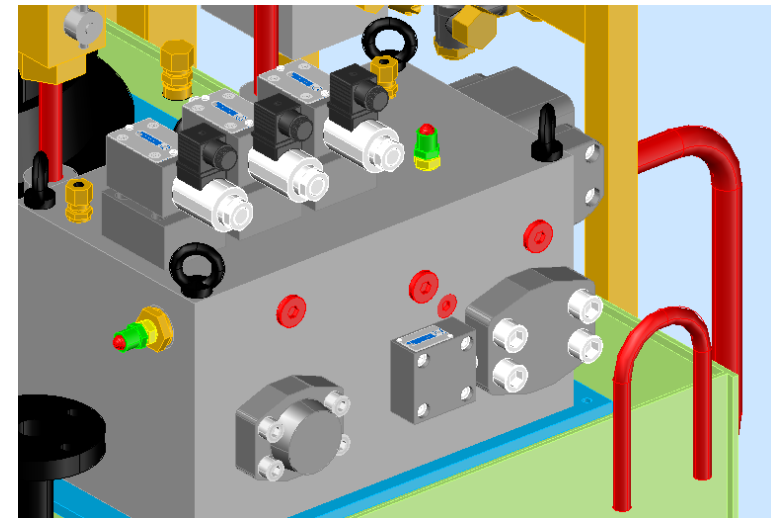
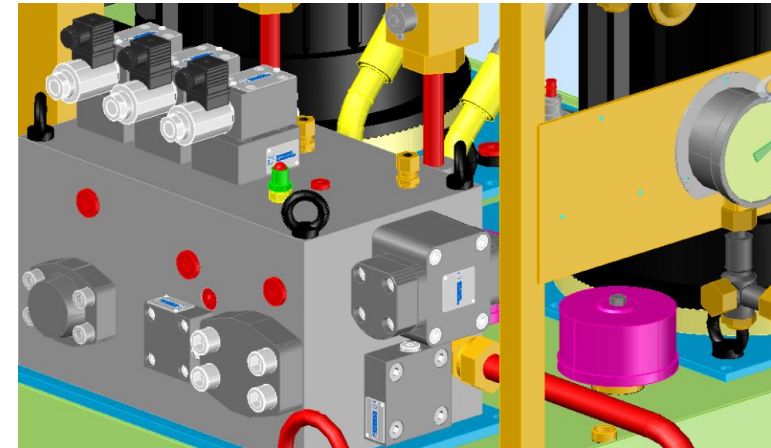
motor pump group detail



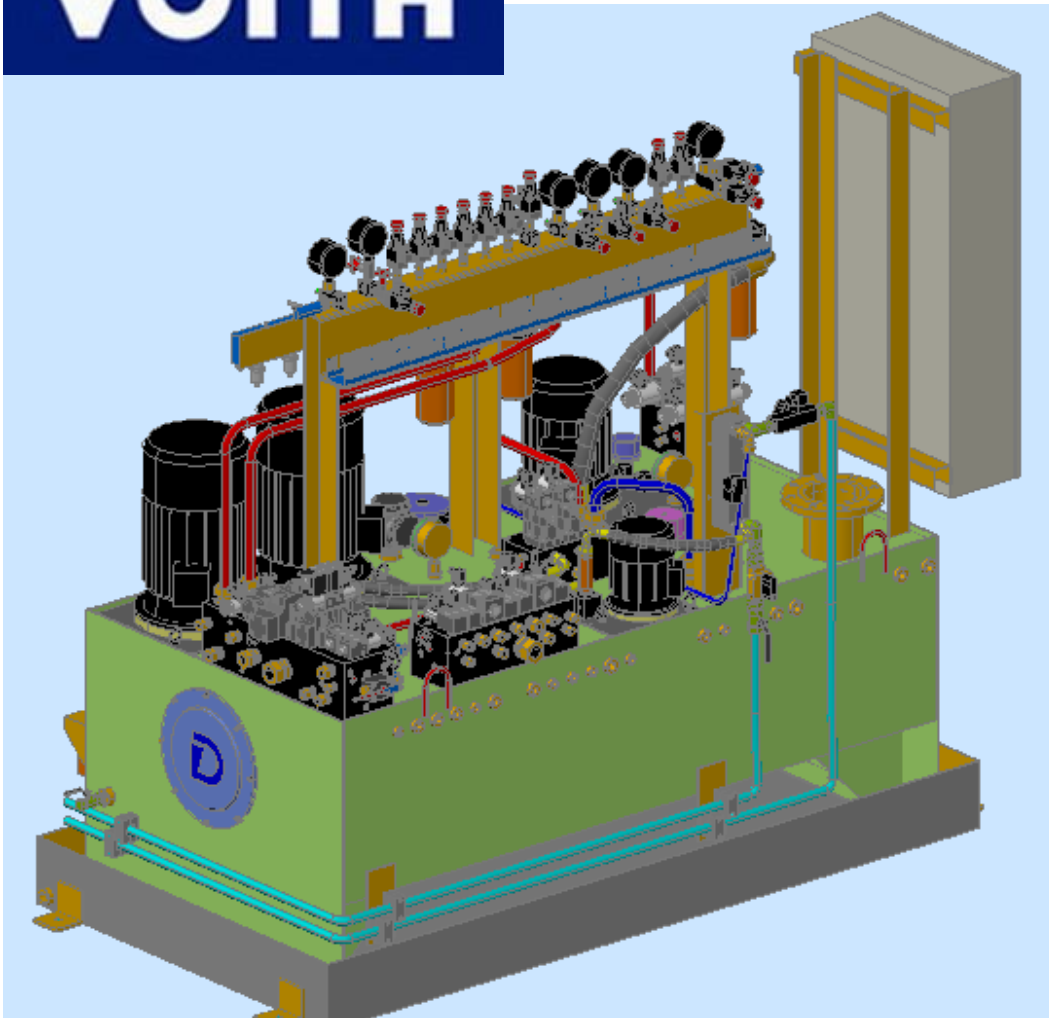
POWER UNITS 3D: steam turbines



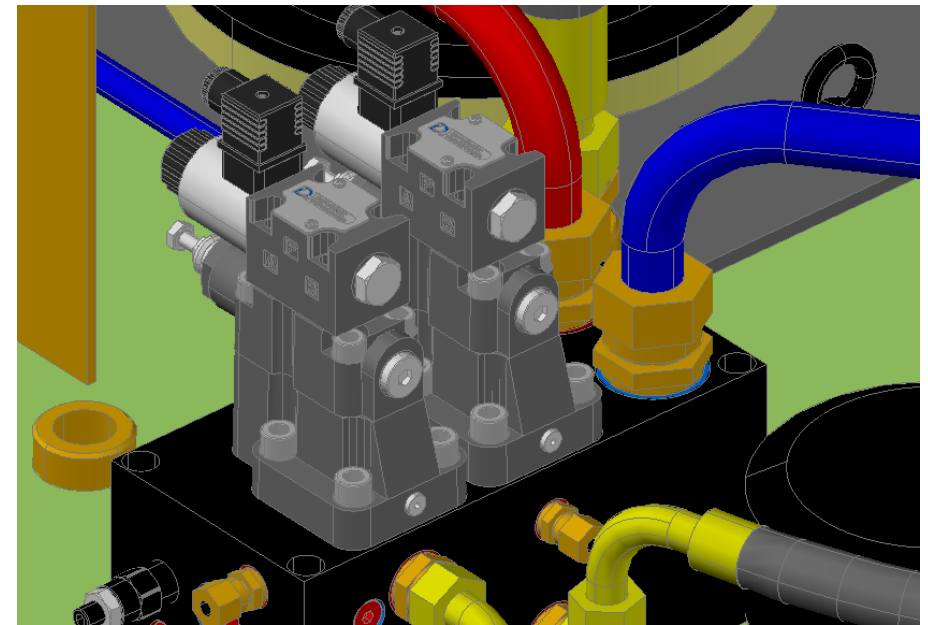
manifold details



VOITH

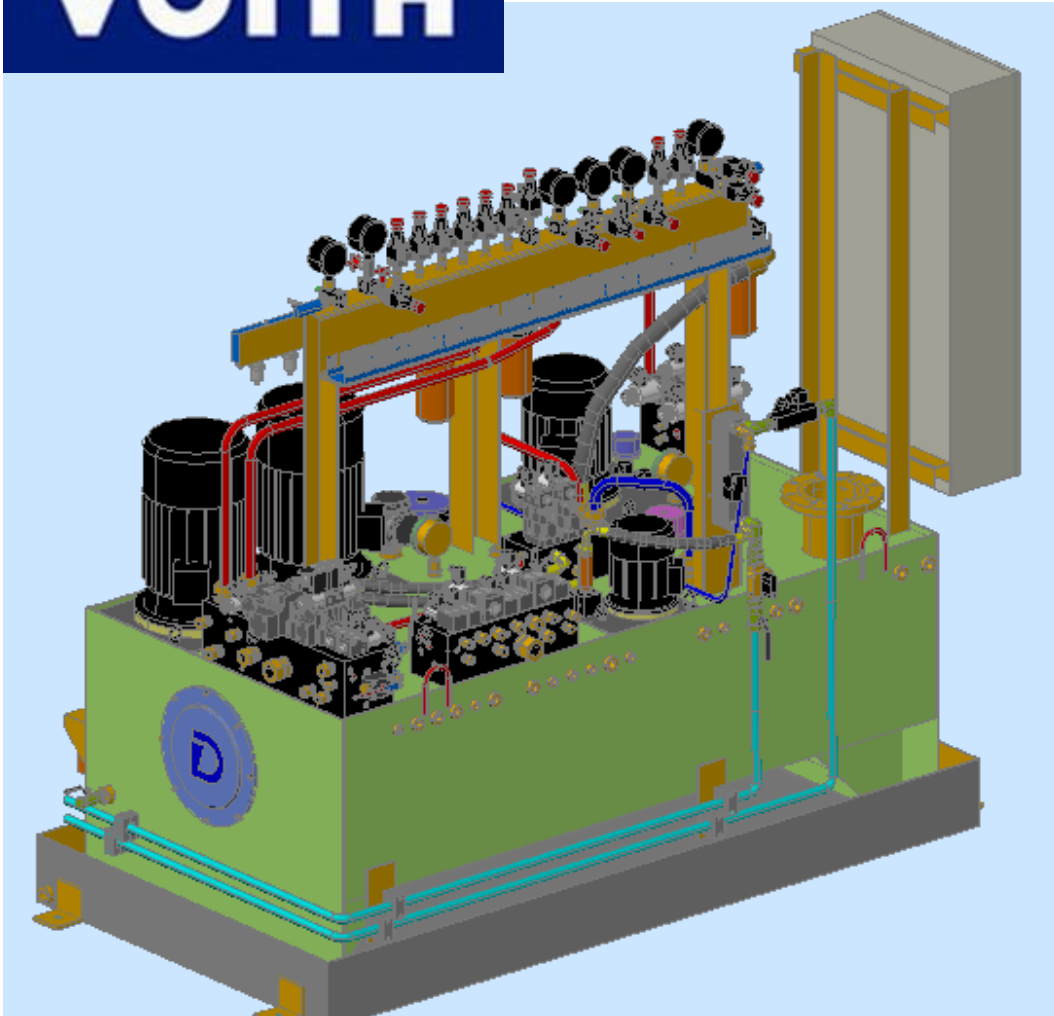


manifold detail

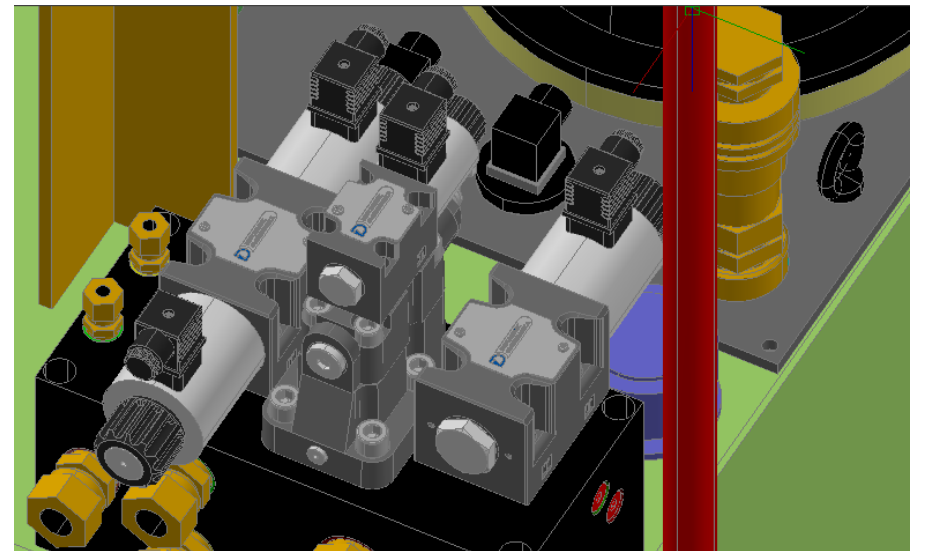
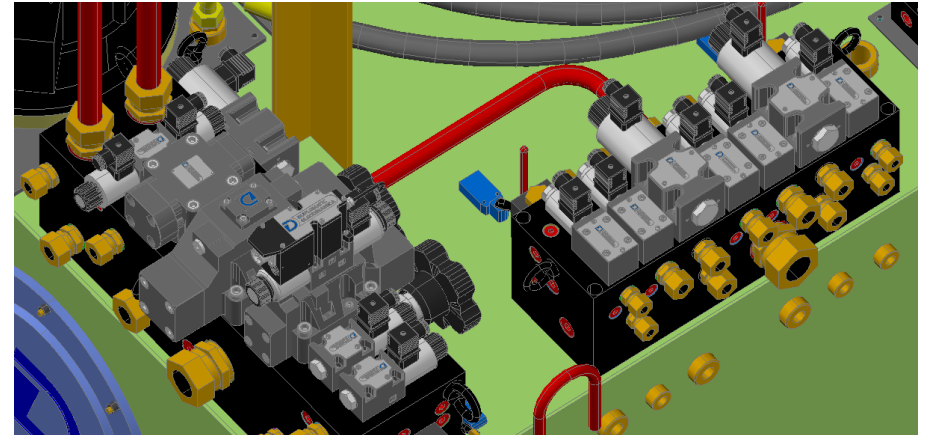


POWER UNITS 3D: water turbines

VOITH

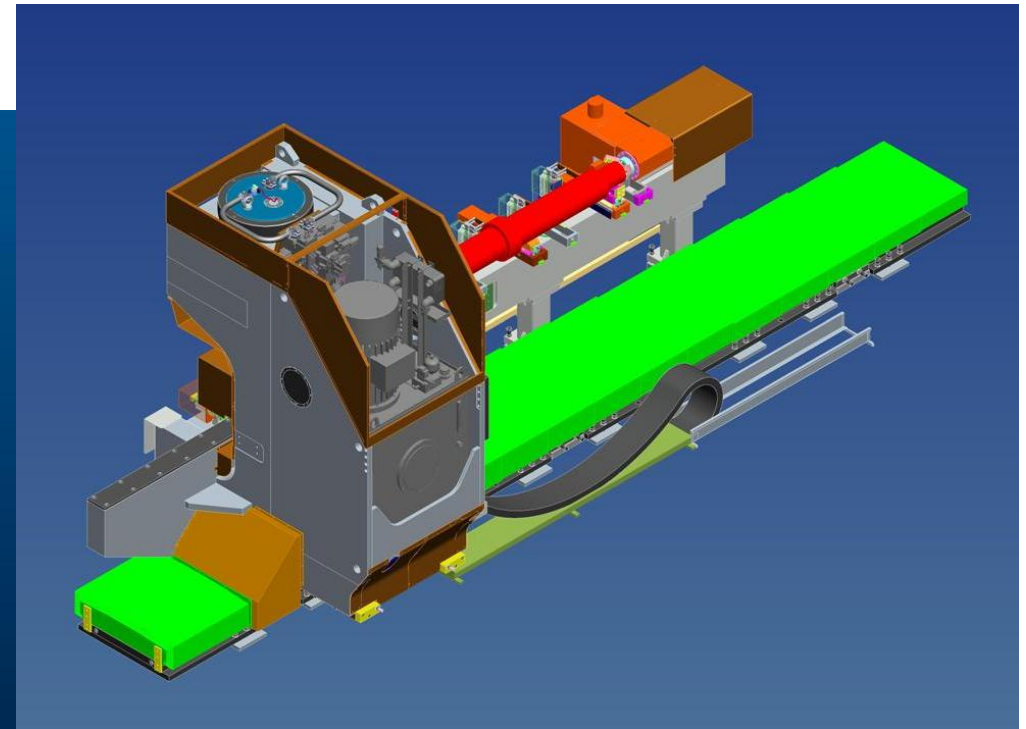
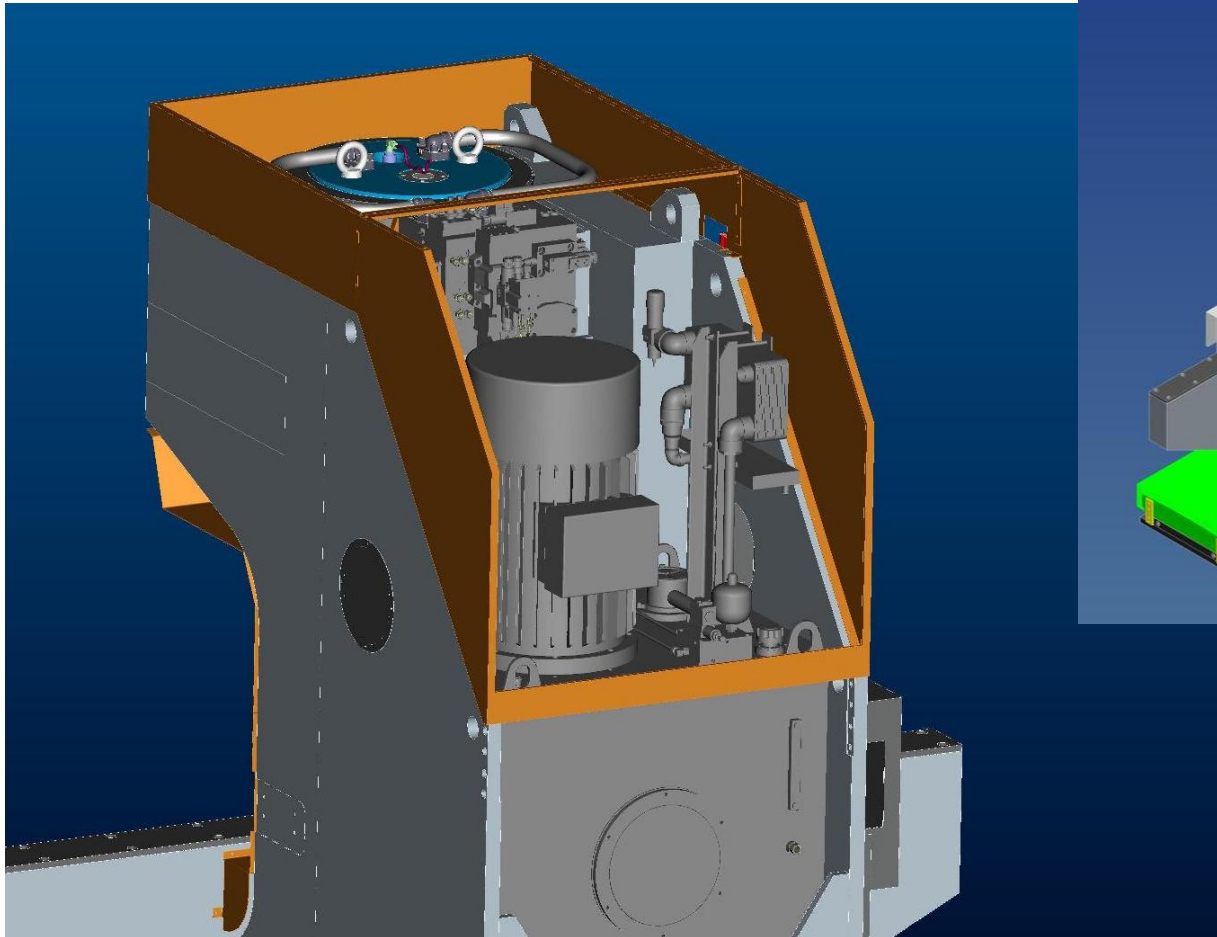


manifold details



POWER UNITS 3D: straightening system

GALDABINI
1890



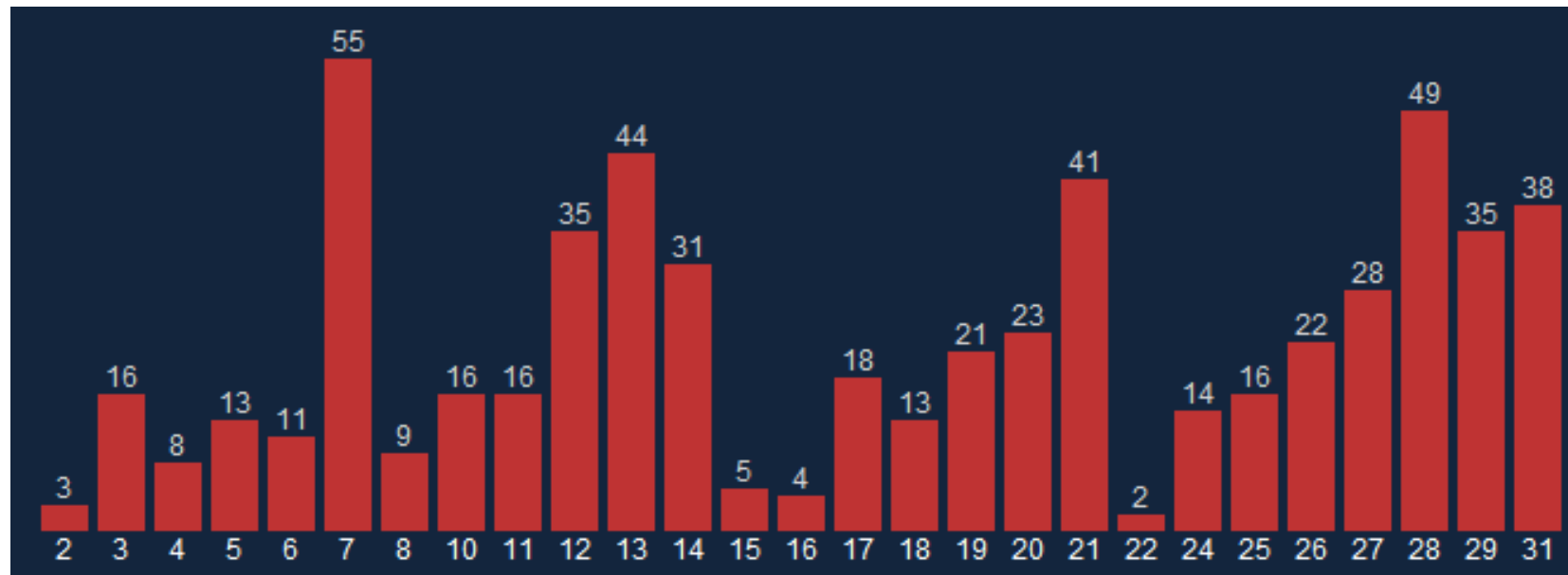
manifold detail

3D catalogue DOWNLOADS feedback

The Diplomatic catalogue has been published on diplomatic.partcommunity.com at the end of September 2011. The publication has been announced as follows:

- **7 October**: newsletter to all Diplomatic customers
- **21 October**: presentation to Diplomatic sales network
- **28 October**: sending out of the 3D catalogue handbook to Diplomatic customers

The chart shows the response to the announcements:



Diplomatic
PARTCommunity Orders
October 2011

Plus for the Technical Area

- Designing time reduction thanks to the available 3D models use
- Possibility to make a preliminary dimensional analysis on the new projects
- Use of 3D models for the integration in the product documentation

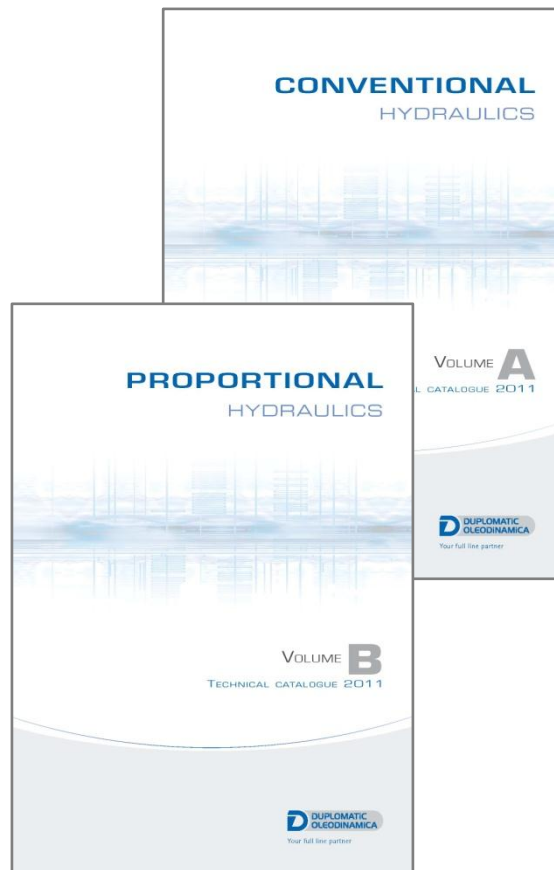
Plus for the Sales Area

- Identification of the correct product description with no need for further documentation
- Immediate view of the available options for each product

Plus for the Marketing Area

- Increase of the Company visibility
- Increase of the new contacts for promotion activities
- Possibility of focused promotions based on the download statistics analysis

- ▶ Paper catalogue
in 5 languages



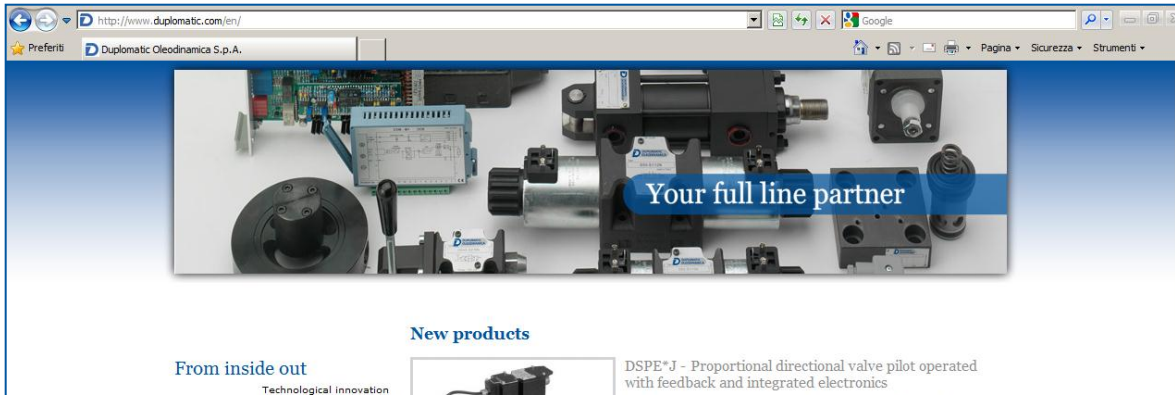
- ▶ CD catalogue
in 7 languages



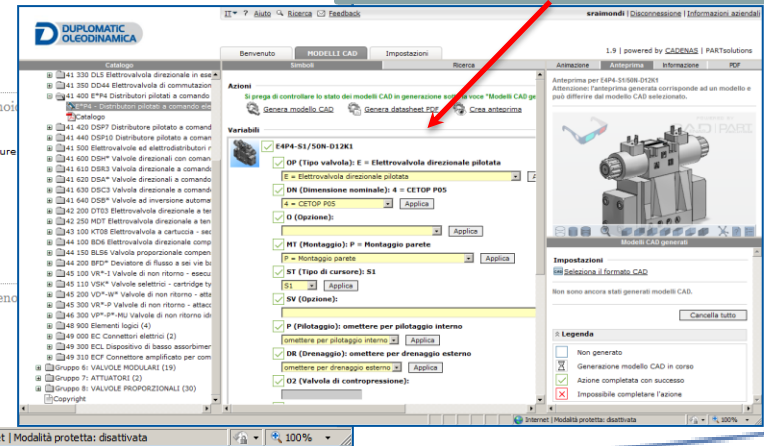
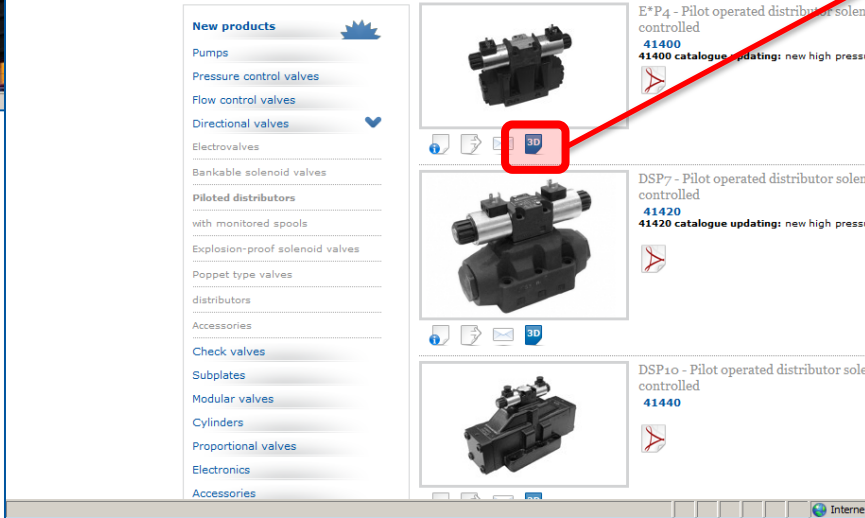
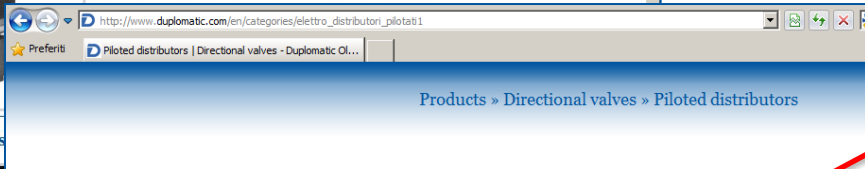
DIPLOMATIC DOCUMENTATION



Website



Direct link to diplomatic partcommunity product configurator



thank you!



Your full line partner

