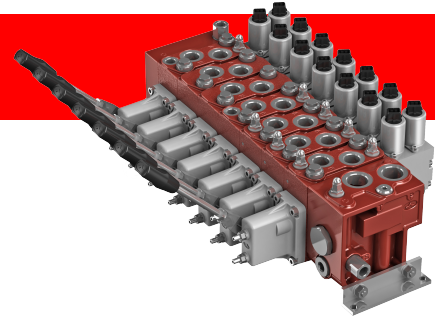


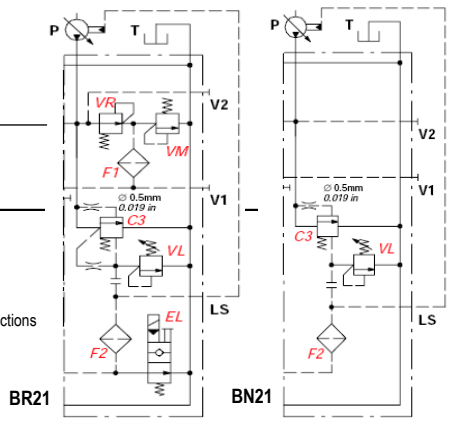
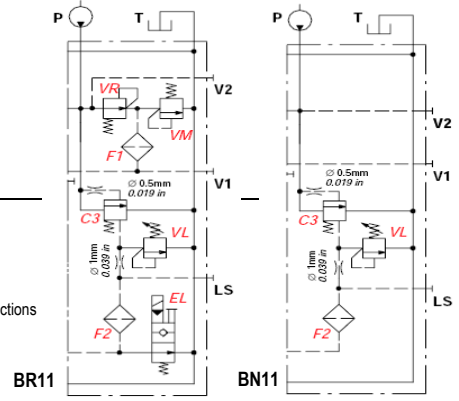
## Proportional Load Sensing Valves – DPC130 Walvoil



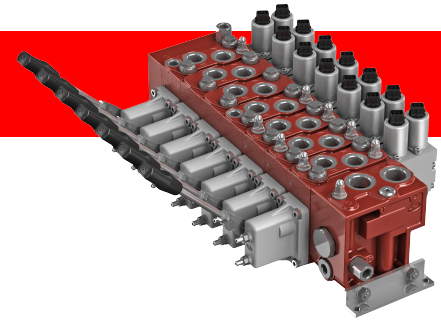
- Nominal flow rating 150 l/min. Max operating pressure 315 bar. Max back pressure on T 25bar. Max pressure on drain L 2.5bar. Fluid temperature -20 to 80 deg C. Ambient temperature - 20 to 60 deg C.
- These stackable valves are used for systems with constant displacement pumps (open centre version) or variable displacement pumps (closed centre version).
- Load independent flow control.
- Internal pilot oil supply built into inlet cover.
- Options for electrical LS unloading valves.
- Interchangeable spools.
- A wide variety of service ports valves.
- Available manual, hydraulic and electro—hydraulic proportional spool control kits.
- Available with compensated or non compensated working sections.
- Safety and diagnostics available on the 8ZR proportional electro—hydraulic control spool kit closed loop system, with electronic on-board.
- Up to 10 sections

### Select Inlet

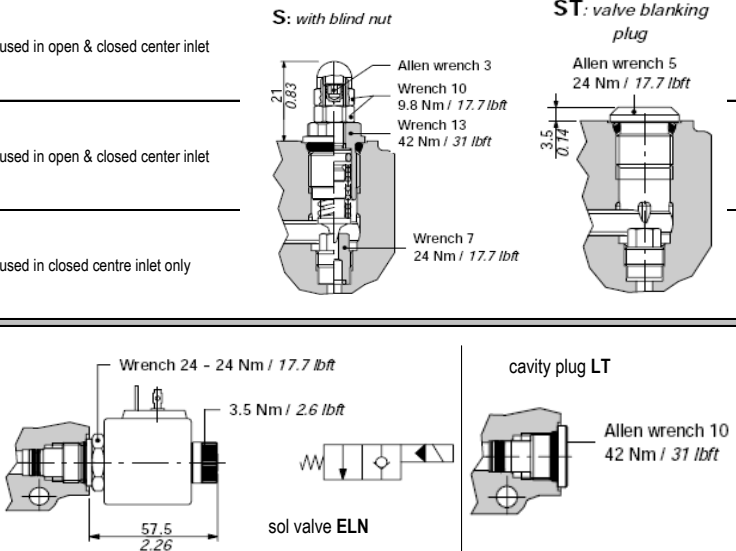
INLET TYPE		code	part number	notes
open centre fixed displacement pumps	with press reducing VR	BR11	5FIA630301	use for electro-hydraulic working sections
	without press reducing	BN11	5FIA630303	use for manual & hydraulic remote working sections
closed centre variable displacement pumps	with press reducing VR	BR21	5FIA630300	use for electro-hydraulic working sections
	with press reducing VR & without compensator C3	BRF21	5FIA630306	use for electro-hydraulic sections
	without press reducing	BN21	5FIA630302	use for manual & hydraulic remote working sections
closed centre with LS dampening	with press reducing	BRS21	5FIA630360	use where load oscillations can occur



# Proportional Load Sensing Valves – DPC130 Walvoil

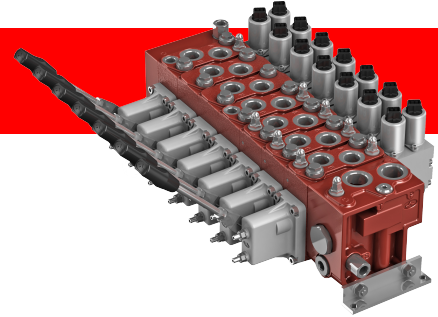


## Inlet Options

INLET OPTIONS		code	part number	notes
inlet relief BR & BN inlets	40-180 bar	S	XCAR126215	used in open & closed center inlet
	180-350 bar	S	XCAR126213	used in open & closed center inlet
	cavity plug	ST	5KIT126210	used in closed centre inlet only
LS unload BR inlet only	solenoid valve 12VDC	ELN	5CAR426310	
	solenoid valve 24VDC	ELN	5CAR426315	
	cavity plug	LT	XTAP222340	

Code	Part Number	Description
BR11	5FIA630301	Use for electro-hydraulic working sections
BN11	5FIA630303	Use for manual & hydraulic remote working sections
BR21	5FIA630300	Use for electro-hydraulic working sections
BRF21	5F1A630306	Use for Electro-hydraulic working sections
BN21	5FIA630302	Use for manual & hydraulic remote working sections
BRS21	5FIA630360	Use where load oscillations can occur
S	XCAR126215	Relief 40-180 bar, used in open & closed centre inlet
S	XCAR126213	Relief 180-350 bar, used in open & closed centre inlet
ST	5KIT126210	Cavity plug, used in closed centre inlet only
ELN	5CAR426310	Load sense unloading solenoid valve 12VDC
ELN	5CAR426315	Load sense unloading solenoid valve 24VDC
LT	XTAP225320 (replaces XTAP222340)	Cavity plug
	5KIT130300	Converts inlet from open centre to closed centre
	5KIT130310	Converts inlet from closed centre to open centre

# Proportional Load Sensing Valves – DPC130 Walvoil

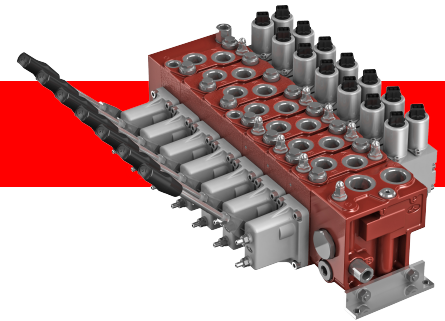


## Select Working Section

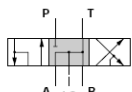
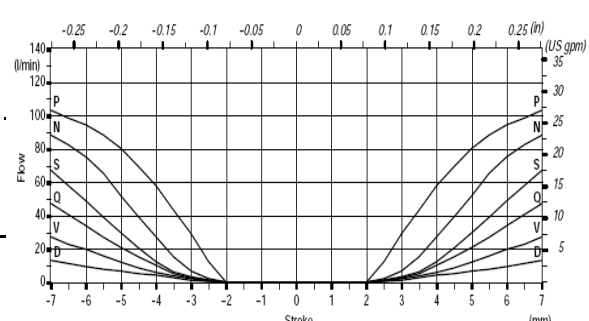
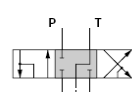
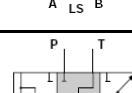
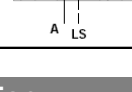
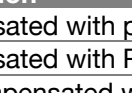
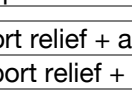
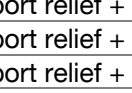
WORKING SECTION TYPE		code	part number	notes
working section body	compensated with port relief cavities U1 & U2	C20	5EL6301320	
	compensated with PR and LS cavities U1,U2,S1 & S2	C22	5EL6301322	
	non-compensated with port relief cavities U1 & U2	D10	5EL6302320	

W/S OPTIONS		code	part number	notes
port relief + anti-cavitation	50 bar	U050	5KIT330050	
	100 bar	U100	5KIT330100	
	150 bar	U150	5KIT330150	
	200 bar	U200	5KIT330200	
	250 bar	U250	5KIT330250	
	300 bar	U300	5KIT330300	
	cavity plug	UT	XTAP522441	
LS reliefs	40-180 bar	S	XCAR126215	For C22 section only. 2 per working section required.
	180-350 bar	S	XCAR126213	
spool control	spring return	8	5V08130000	
	proportional 12V solenoid	8EZ3	5V08130780	
	proportional 24V solenoid	8EZ3	5V08130781	
	proportional E/H + OBE	8ZR3	5V08130900	
	hydraulic proportional	8IM	5V08130800	
friction detent	7FT	5V07130000	min 20N, max 150N, standard 100N (adjustable)	
lever box	lever box with stroke limiters	L	5LEV130712	1 per working section required
	handle M8x170MM	HDL	170011117	

## Proportional Load Sensing Valves – DPC130 Walvoil

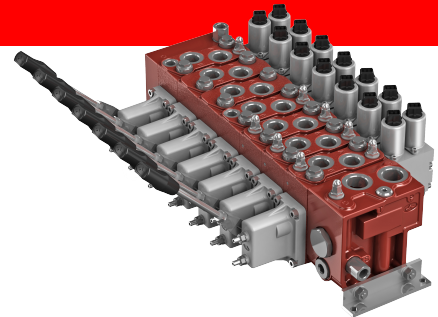


### Select Working Section (Continued)

W/S OPTIONS		code	part number	notes	
spool options	double acting motor 25l/min	2V	3CU4024025		
	double acting motor 60l/min	2S	3CU4024060		
	double acting motor 100l/min	2P	3CU4024100		
	double acting cylinder 25l/min	1V	3CU4010025		
	double acting cylinder 60l/min	1S	3CU4010060		
	double acting cylinder 100l/min	1P	3CU4010100		
	single acting on A, B plugged 100l/min	3P	3CU4031080		

Code	Part Number	Description
C20	5EL6301320	Compensated with port relief cavities U1 & U2
C22	5EL6301322	Compensated with PR and LS cavities U1,U2,S1 & S2
D10	5EL6302320	Non-compensated with port relief cavities U1 & U2
U050	5KIT330050	50 bar port relief + anti-cavitation
U100	5KIT330100	100 bar port relief + anti-cavitation
U150	5KIT330150	150 bar port relief + anti-cavitation
U200	5KIT330200	200 bar port relief + anti-cavitation
U250	5KIT330250	250 bar port relief + anti-cavitation
U300	5KIT330300	300 bar port relief + anti-cavitation
UT	XTAP522441	Cavity plug
S	XCAR126215	40-180 bar load sense relief
S	XCAR126213	180-350 bar load sense relief
8	5V08130000	Spool control - spring return
8EZ3	5V08130780	Spool control - proportional 12V solenoid ISO4400
8EZ3	5V08130781	Spool control - proportional 24V solenoid ISO4400
8EZ34	5V08130872	Spool control - proportional 12V solenoid Deutsch
8EZ4	5V08130873	Spool control - proportional 24V solenoid Deutsch
8ZR3	5V08130900	Spool control - proportional E/H + OBE
8IM	5V08130800	Spool control - hydraulic proportional
7FT	5V07130000	Spool control - friction detent
L	5LEV130712	Lever box with stroke limiters
HDL	170011117	Handle M8x170MM
2V	3CU4024025	Spool - double acting motor 25l/min
2S	3CU4024060	Spool - double acting motor 60l/min
2P	3CU4024100	Spool - double acting motor 100l/min
1V	3CU4010025	Spool - double acting cylinder 25l/min
1S	3CU4010060	Spool - double acting cylinder 60l/min
1P	3CU4010100	Spool - double acting cylinder 100l/min
3P	3CU4031080	Spool - single acting on A, B plugged 100l/min

# Proportional Load Sensing Valves – DPC130 Walvoil

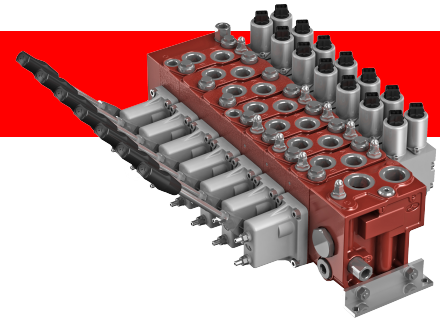


## Select Outlet

OUTLET TYPE TYPE		code	part number	notes
OUTLET	without ports	RF	3FIA731000	On RD cover P, T = 3/4" BSPP, LS = 1/4" BSPP.
	with P,T and LS ports	RD	3FIA731320	
DRAIN OPTIONS		code	part number	notes
DRAIN	plug for manual control (7FT/8)	1	XTAP517460	
	plug for hydraulic prop (8IM) control	2	XTAP217160	
	sleeve for electro-hydraulic control (8EZ3/8ZR3)	3	XCAR119611	
TIE ROD KITS		no of sections	part number	notes
TIE RODS	DPC130/1	1	5TIR108185	
	DPC130/2	2	5TIR108232	
	DPC130/3	3	5TIR108281	
	DPC130/4	4	5TIR108328	
	DPC130/5	5	5TIR108376	
	DPC130/6	6	5TIR108425	
	DPC130/7	7	5TIR108472	
	DPC130/8	8	5TIR108520	

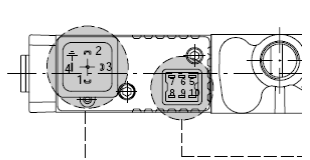
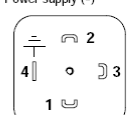
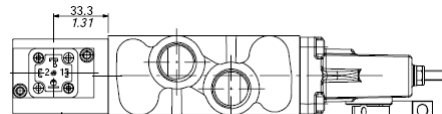
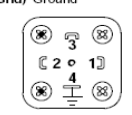
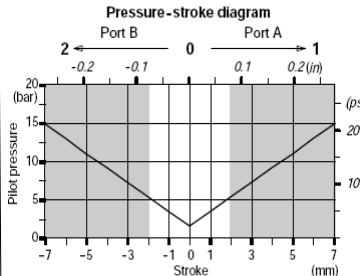
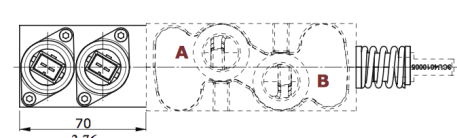
Code	Part Number	Description
RF	3FIA731000	Outlet without ports
RD	3FIA731320	Outlet with P,T and LS ports
1	XTAP517460	Drain plug for manual control (7FT/8)
2	XTAP217160	Drain plug for hydraulic prop (8IM) control
3	XCAR119611	Drain sleeve for electro-hydraulic control (8EZ3/8ZR3)

# Proportional Load Sensing Valves – DPC130 Walvoil



## Select Outlet (Continued)

Code	Part Number	Description
1	5TIR108185	Tie Rods, DPC130/1 – one section
2	5TIR108232	Tie Rods, DPC130/2 – two sections
3	5TIR108281	Tie Rods, DPC130/3 – three sections
4	5TIR108328	Tie Rods, DPC130/4 – four sections
5	5TIR108376	Tie Rods, DPC130/5 – five sections
6	5TIR108425	Tie Rods, DPC130/6 – six sections
7	5TIR108472	Tie Rods, DPC130/7 – seven sections
8	5TIR108520	Tie Rods, DPC130/8 – eight sections

SPOOL CONTROL INFORMATION		
<p><b>PROPORTIONAL WITH OBE - 8ZR3</b></p>  <p><b>Main connector</b></p> <ol style="list-style-type: none"> <li>Power supply (+)</li> <li>Set point</li> <li>Alarm output</li> <li>Power supply (-)</li> </ol>  <p>Connection ISO4400 (needs connector type C03, see page 93)</p> <p>4 pin hirshmann connector plug Part #: 2X1001030</p>	<p><b>PROPORTIONAL COIL - 8EZ3</b></p>  <p><b>Connector</b></p> <ol style="list-style-type: none"> <li>Power supply (-)</li> <li>Port B</li> <li>Port A</li> <li>(Gnd) Ground</li> </ol>  <p>Connection ISO4400 (needs connector type C02, see page 93)</p> <p>4 pin hirshmann connector plug Part #: 2X1001030</p>	<p><b>HYDRAULIC REMOTE - 8IM</b></p> <p><b>Pressure-stroke diagram</b></p>  <p>Stroke (mm): -7 to 7 Pilot pressure (bar): 0 to 20 Pilot pressure (psi): 0 to 200</p> <p>Legend:  <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Spool overlap area  <span style="background-color: #cccccc; display: inline-block; width: 10px; height: 10px;"></span> Metering area</p>
<p>4001417</p>	 <p>Deutsch DT06-25 Connector Plug 4001417</p>	