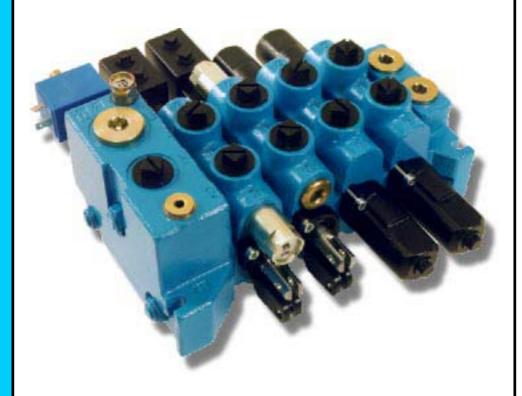




Nordhydraulic

DIRECTIONAL CONTROL VALVE RS210

-Sectional design



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GET IN TOUCH WITH NORDHYDRAULIC AT AN EARLY STAGE

At Nordhydraulic there are skilled an experienced engineers/designers ready to adapt the valve for your very needs.

RS210 is a sectional valve designed to match your specific requirements.

It can be built in the range one to ten spool sections per valve assembly.

RS210 will cope with a system pressure up to **350 bar** and flows up to **70 l/min**.

The valve can be used in different systems for parallel as well as tandem circuitry.

THE VALVE WITH POSSIBILITIES

Over the years the RS210 has been developed into the very versatile and well-proven valve of today including for example Q-function, el. hydr.prop. remote control versions (see separate data sheets RS210 EHPD and EHPS) and a great variety of different inlet-, outlet- and spool sections, spools and spool controls etc.

The design of this sectional valve offers you as a systems designer and/or operator wide opportunities to optimum function and control.

Q-FUNCTION

Briefly the Q-function may be described in such a way that when the system is idling part of the pump flow is routed directly to tank insted of just circulating in the system. This reduces heat generation and improves control characteristics.

APPLICATIONS

The number of different applications where RS210 has proven useful is extensive. Typical examples are cranes, excavators, backhoe-loaders, skid loaders and tipping gear.

TYPICAL RS210 PROPERTIES AND POSSIBILITIES

- -el.hydraulic, hydraulic and pneumatic remote controls and cable control
- -several different in- and outlet alternatives offering possibility for electrical unloading, connecting and dimensional flexibility
- -Q-function for further improved operating characteristics and lower pressure drop etc
- -very wide programme of different spools optimised for various pump flows, applications, system alternatives etc.
- -spool controls for external kick-out and spool position sensing
- -load checks in each spool section
- -high pressure carry-over
- -l.h and r.h. side inlet
- -feed restriction (meter-in)
- -regenerative function
- -careful compensation of flow forces

DATA SHEET

This data sheet presents the variety of standard components available, and how to specify these in a valve assembly according to your application requirements.

Contents

Technical datapage	3
Inletspage	4-9
Spool sectionspage	10
Intermediate sectionspage	11
Outletspage	11-12
Spoolspage	13,21
El. unloadingpage	14
Relief valvespage	15-18
Spool controls page	19-20
Spoolspage	21
Miscellaneouspage	22
Valve specificationpage	23-25



TECHNICAL DATA

PRESSURES

Max. continuous return line pressure...... 20 bar(2.0Mpa)

FLOWS

Max. recommended pump flow 60 l/min With Q-inlet...... 70 l/min

FURTHER DATA

 Max. contamination level:

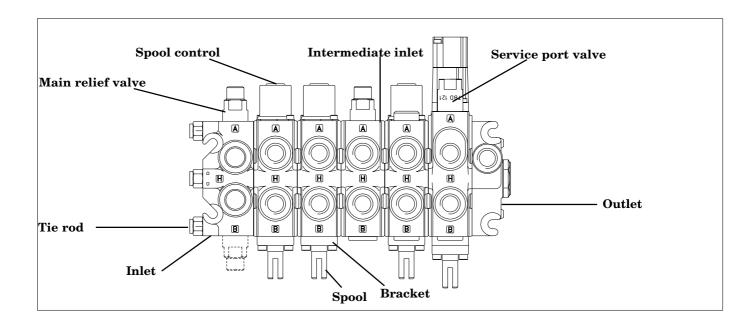
16/13 as per ISO 4406.

-At normal duty, equal to or better than 18/14 as per ISO 4406 -At high system pressure and/or for remote control equal to or better than

Hydraulic fluid viscosity range......10-400 mm2/s (cSt)

Hydraulic fluid temperature range for continuous operation...- 15° C - + 80° C (Higher temperature - contact us. High temp. seals available)

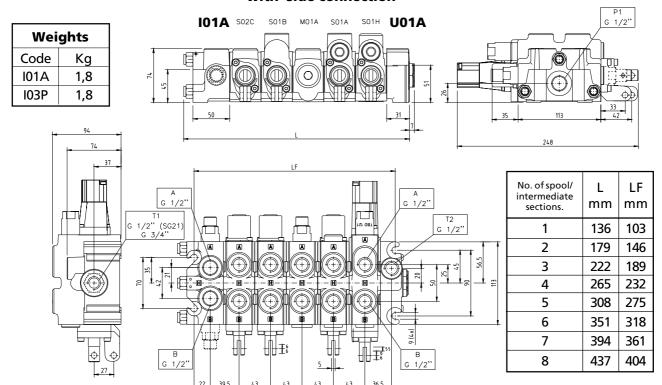
Spool leakage at 100 bar, 32 cSt and 40°C......4-9 cm3/min





INLETS AND OUTLETS

—with side connection—



Code Description

I03P

IO1A Has two pump ports (one side located) and one tank port.

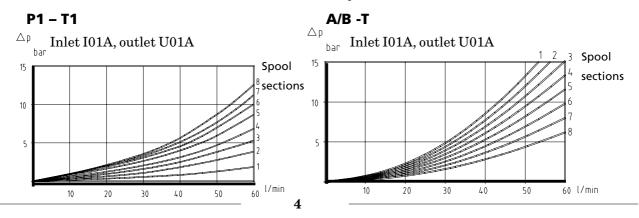
With m.r.v. fitted in A-side cavity, A-port is pump port and B-port is tank port and vice versa when m.r.v. is B-side mounted. For max. 300 bar.

Port P1-side, A and B face upwards.

Installation dimensions and port locations as I01A. Side inlet port only connected with parallel gallery. Top inlet port only connected with centre gallery. For max. **300 bar**. Usable to achieve two separate valves in one parallel circuit system, and for use of RS210 in LS-systems.

Port P1-side, A and B face upwards.

Pressure drop



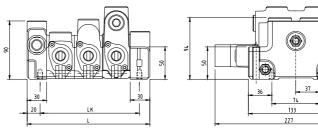


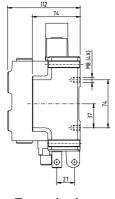
INLETS AND OUTLETS

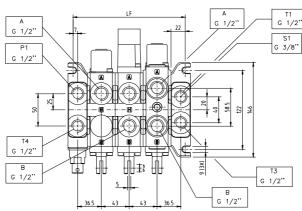
-with top connection-

IO1B SOIC SOIB SOIR UO1B

Wei	ghts
Code	Kg
I01B	1,7
106G	1,7







I01B

No. of spool/ intermediate sections.	LK mm	L mm	LF mm
1	68	103	87
2	111	146	130
3	154	189	173
4	197	232	216
5	240	275	259
6	283	318	302
7	326	361	345
8	369	404	388

Code Description

I01B Has one pump and one tank port, both facing upwards.

M.r.v. cavity is on the B-side.

For max. 300 bar.

Max. recommended pump flow for

tank port (T4): 35 l/min.

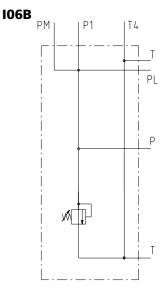
Ports Pland T4 face upwards.

I06B Same as I01B but with pressure gauge port (PM). PM (1/4"BSP) is located adjacent to pump port (P1).

(Note: Inlets of type B offer a connection between tank galleries of the A and B sides.)

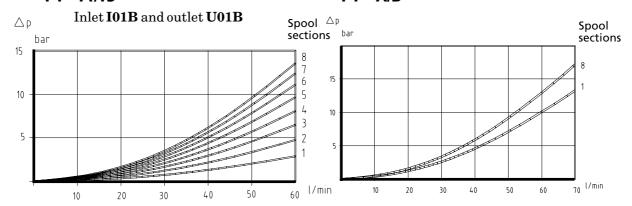
P1 T4

WITH



Pressure drop

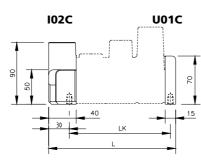
P1 - T1/T3 P1 - A/B

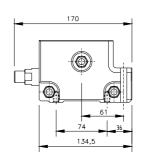


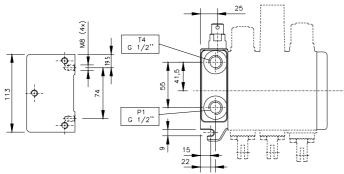


"C" INLET AND "C" OUTLET (END PLATE)

Wei	ghts
Code	Kg
102C	2,5
U01C	0,7







No. of spool/ intermediate sections.	L mm	LK mm
1	98	61
2	141	104
3	184	147
4	227	190
5	270	233
6	313	276
7	356	319
8	399	362

Code Description

IO2C Has one pump and one tank port, both facing upwards.
M.r.v. cavity is on the A-side.

Ports P1 and T4 face upwards.

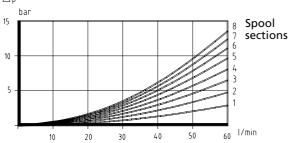
U01C End plate without porting. (See page 11 as well.)

Pressure drop

P1 - T4

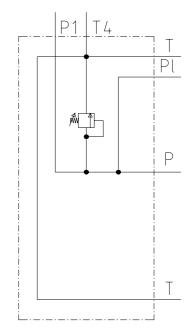
\triangle p	Inle	t 102C	, and e	nd pla	te UUI	.C		
	bar							
30							⁸ Spc	ool
							Sec	ool tions
							500	
20 -							1	
							5	
10 -								
10 -							1	
							1	
	1	0 2	0 3	30 40		50	60 l/min	
	P1	_ T1/T	3					

Inlet I02C and outlet U01B



(Note: Inlet of type C offers a connection between tank galleries of the A and B sides.)

102C

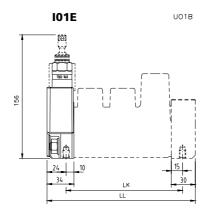


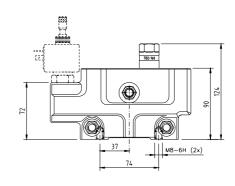


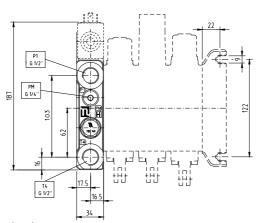
"E" INLET

E-inlet offers el. unloading of the pump flow

Weights Code Kg **I01E** 2,3







No. of spool/ intermediate sections.	LK mm	LL mm
1	68	107
2	111	150
3	154	193
4	197	236
5	240	279
6	283	322
7	326	365
8	369	408

Code **Description**

I01E Has one pump and one tank port, both facing upwards.

M.r.v. cavity facing upwards.

Main inlet valve options:

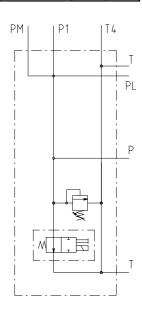
- -TBD160 up to 300 bar
- -TBS400 up to 350 bar

With cavity (facing upwards) for optional el. unloading valve. With pressure gauge port (PM).

Connects A-B at T.

Ports P1, T4 and PM face upwards.

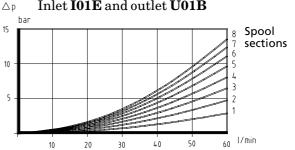
I01E



Pressure drop

P1 - T4 $\triangle p$ Inlet I01E, unloaded 15 10 5

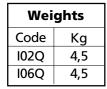
P1 - T1/T3 Inlet I01E and outlet U01B

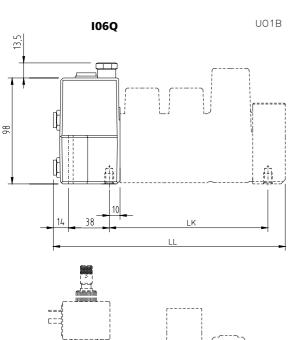


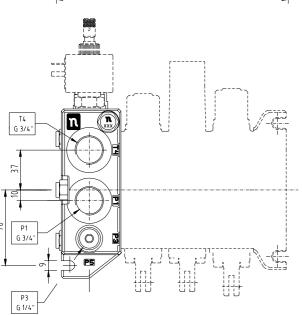


"Q" INLET

Q-inlet provides by-pass in idling condition and el. unloading of pump flow.







Note: ${f 102Q}$ has no side inlet port (P4) and port P1 is ${f G}$ ½"

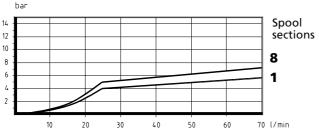
	M8-6H (2	22 63/4"
159	82	

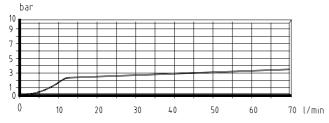
No. of spool/ intermediate sections.	LK mm	LL mm
1	68	135
2	111	178
3	154	221
4	197	264
5	240	307
6	283	350
7	326	393
8	369	436



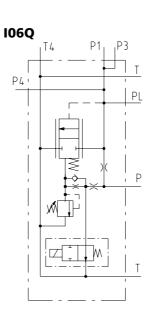
"Q" INLET

P1 - T4
Inlet I02Q/I06Q, with flow control
FKA283/2 and PF12,outlet U01B.





102Q



Inlet section with flow control, main relief valve and unloading function.

When the system is idling a small regulated flow passes the centre gallery of the valve. Excess pump flow is routed directly to tank.

The regulated flow is defined by the flow control valve **FKA283** and the metering orifice **PF...**

When a spool is operated the whole pump flow is instantly available for the user. The low center gallery flow during idling conditions reduce pressure drop P- T through the valve body, and facilitates higher pump flow without negative influence on the spool forces and heat generation.

I02Q also is equipped with a main relief valve cartridge **TB11**, which together with flow control valve FKA283 function as pilot operated main relief valve.

Q-inlet can be equipped with a solenoid operated valve for electrical unloading.

Port P1 and T4 face upwards.

I06Q

Has the same functions as IO2Q but with an added special check valve **FSB3** in the signal gallery to damp the unloading function of the flow control valve FKA. IO6Q also provides an additional pump port.

Port P1 and T4 face upwards, P4 to the side.

Available metering orifices for controlled flows. In combination with FKA283/2 they provide:

0 1	
PF10	21 l/min
PF11	25 l/min
PF12	28 l/min

A lower flow creates less pressure drop P - T. A spool that matches the flow improves the operating characteristics



SPOOL SECTIONS

S01A

Ρl

Code is only valid for section body

Code Description

S01A High, for service port valves,

for 3-pos. spool.

Weight 2,4 kg

S01B High, no port valve cavities,

for 3-pos. spool.

Weight 2,4 kg

S02C Low, for 3-pos. spool.

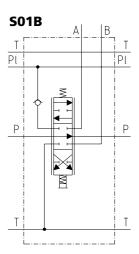
Weight 1,9 kg

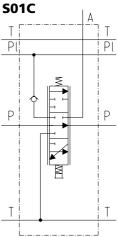
S01C Low, only for single acting 3-pos. spool,

A-port for user. No B-port provided.

Weight 1,9 kg

S02CA
B
T
Pl
Pl
Pl





S11A High, for service port valves,

for 3-pos. spool, allowing meter-in restrictions (one for each cyl.port).

Weight 2,4 kg

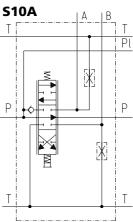
S10A High, for service port valves,

for 3-pos. spool, for tandem circuit.

Weight 2,4 kg

S11A

A
B
T
PI
PI
PI
T
T



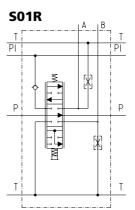
S01R High, for service port valves, for 3-pos. regenerative spool.

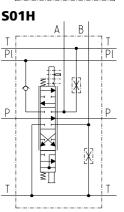
Weight 3,0 kg

S01H High, for service port valves,

for 4-pos. float spool.

Weight 2,8 kg







INTERMEDIATE SECTIONS

Code is only valid for section body

Wei	ights
Code	kg
M01A	1,7
M01B	1,7

M01B

Code Description

M01A Intermediate inlet section.

A-port for pump and B-port for tank connections.

M.r.v. cavity on A-side.

Used in dual circuit systems.

Second circuit pump is connected to port \boldsymbol{A} .

If first circuit pump flow, feeding spool

sections upstream of M01A,

is not used, both pump flows are available

for use downstream M01A. With common tank gallery.

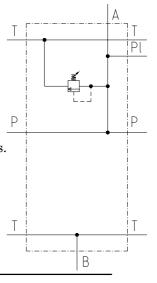
M01B Intermediate inlet section.

A-port for pump and B-port for tank connections.

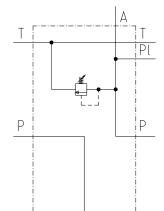
M.r.v. cavity on A-side.

Used for two completely separated circuits.

With common tank gallery.



M01A



В

OUTLET SECTIONS

Code Description

U01A Has two tank ports, top (**T2**) and side (**T1**).

A high pressure carry-over nipple can be fitted in T1.

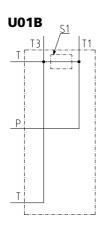
If so, an alternative tank port must always be connected to tank.

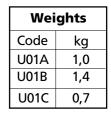
U01B	Has two tank ports, both facing upwards.
	Through port T1 a plug for high pressure carry-over can
	be fitted in location S1. If T1 is used for series connection
	decrease and realized T2 (on on alternative touls most) must

be fitted in location **S1**. If **T1** is used for series connection of a downstream valve, **T3** (or an alternative tank port) must be connected to tank.

U01C End plate without porting.

U	01 <i>A</i>		
T	F	Т2	
<u> </u>			
		F	
Р	•		T1
<u>.</u>			
T			





U01C



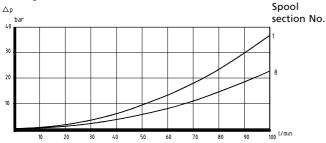
OUTLET SECTIONS

Pressure drop

A/B - T1

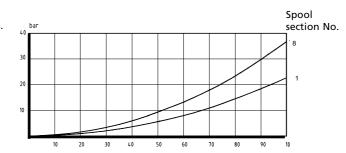
All outlets

(except in combination with inlet I01A)



A/B - T4

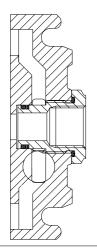
Inlets I02C, I01E and I02Q/I06Q



Series connections

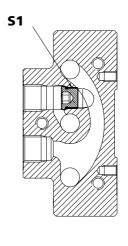
Outlet section U01A

High pressure carry-over nipple SG21 is fitted in port T1.



Outlet section U01B

High pressure carry-over plug PS20 is fitted through port T1 in location S1. T1 is now port for series connection.



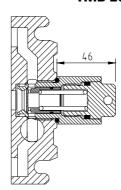
PILOT PRESSURE VALVE TMB200

Adjustment range:

4 - 20 bar

Fits port T1 in outlet section U01A.

TMB 200





spool

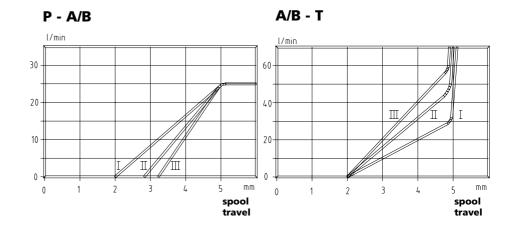
travel

CONTROL CHARACTERISTICS

Graphs show principal functions, valid for manually operated spools.

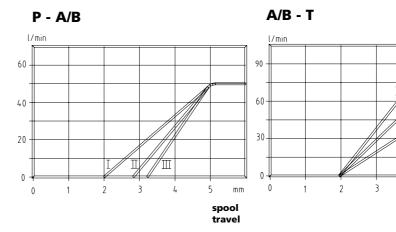
Spool type D

Pump flow 25 l/min
I = load pressure 50 bar
II = load pressure 150 bar
III = load pressure 250 bar



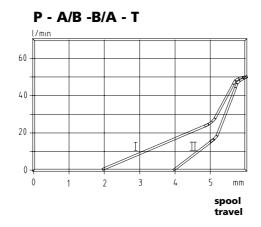
Spool type K

Pump flow 50 l/min
I = load pressure 50 bar
II = load pressure 150 bar
III = load pressure 250 bar



Spool type1KS1

Pump flow 50 l/min I = load pressure 50 bar II = load pressure 200 bar





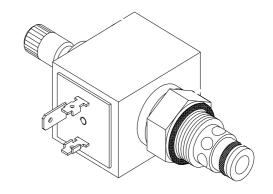
ELECTRICAL UNLOADING VALVE

This 2-way, normally open, solenoid type cartridge valve, code name **EDI**, is an option in inlet sections **I02Q/I06Q** and **I01E**.

It is intended for emergency stop and for pressure drop/heat generation reduction.

In Q-inlets a de-energised **EDI** drains the pilot circuit so that the **FKA283** spool dumps the whole pump flow directly to tank.

In inlet **I01E** a de-energised **EDI** dumps the whole pump flow to tank.



Data

Rated flow: 40 l/min
Power consumption 17W
Rated voltage: 12 och 26V
Max voltage variation: $\pm 10\%$

Duty factor: 100 % (sufficient cooling must be secured)

EDI has manual override. Two versions are available

EDI618 has push type pin operation.

EDI619 has push and twist type pin operation. This pin is sealable

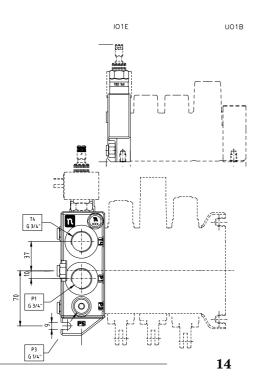
Codes

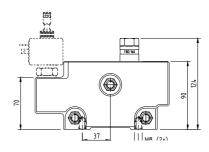
EDI61812 – push type override 12V

 $EDI61826-push\ type\ override\ 26V$

EDI61912 - push and twist type override 12V

EDI61926 - push and twist type override 26V



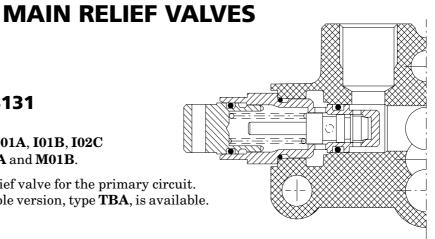




Main relief valve TBB131

TBB 131 is used in inlet sections I01A, I01B, I02C and in intermediate sections M01A and M01B.

Differential area, direct acting relief valve for the primary circuit. **TBB** is adjustable. A non-adjustable version, type **TBA**, is available.

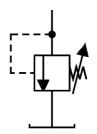


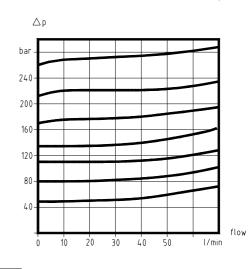
Setting ranges:

35 - 65 bar 65 - 95 bar 95 - 125 bar 125 - 160 bar

160 - 200 bar 200 - 240 bar

240 - 300 bar

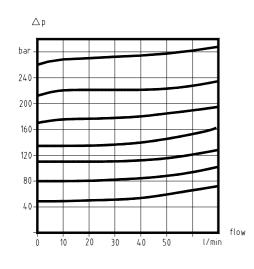


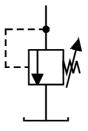


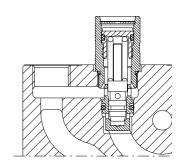
Main relief valve TBD160

TBD160 is used in inlet section I01E.

Differential area, direct acting relief valve for the primary circuit. Adjustable and sealable.







Setting ranges:

35 - 65 bar

65 - 95 bar

95 - 125 bar

125 - 160 bar

160 - 200 bar

200 - 240 bar



MAIN RELIEF VALVES

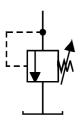
Main relief valve TBS400

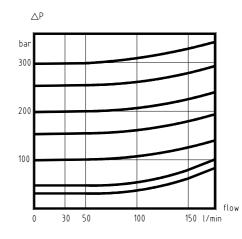
Optional in inlet section I01E.

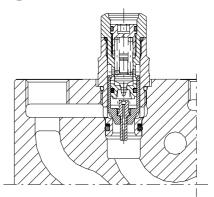
Pilot operated relief valve for the primary circuit. Adjustable and sealable.

Setting range

35 - 350 bar







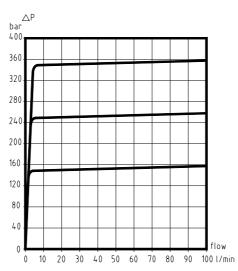
Main relief valve for Q-inlets

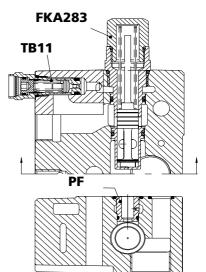
The flow control valve **FKA283**, in combination with relief valve cartridge **TB11**, form the pilot operated main relief function of the **Q-inlets**.

TB11 is adjustable and sealable.

Setting range for TB11:

35 - 350 bar





In inlet section I02Q and I06Q.



SERVICE PORT VALVES

Port relief valves TB121 and TBD121

Differential area, direct acting relief valves for the secondary circuit.

TBD121 is adjustable but sealed.

Setting ranges:

35 - 65 bar

65 - 95 bar

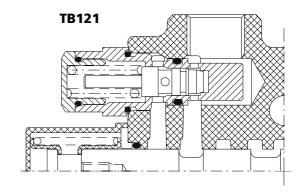
95 - 125 bar

125 - 160 bar

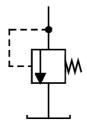
160 - 200 bar

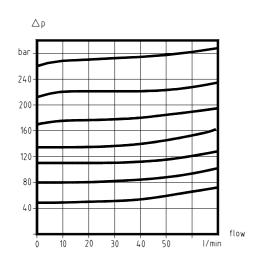
200 - 240 bar

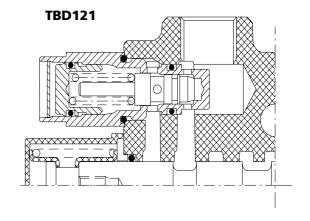
240 - 300 bar



Fits in sections **S01A**, **S10A**, **S11A**, **S01R** and **S01H**.









SERVICE PORT VALVES

PORT RELIEF AND ANTICAVITATION VALVES TBS121 AND TBSD121

See TB/TBD121 and SB160 for functional principles.

TBSD121 is adjustable but sealed.

Setting ranges:

35 - 65 bar

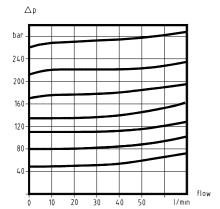
65 - 95 bar

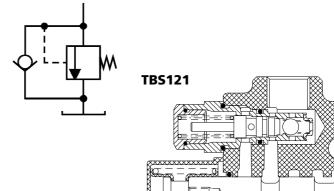
95 - 125 bar

125 - 160 bar

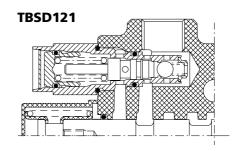
160 - 200 bar 200 - 240 bar

240 - 300 bar



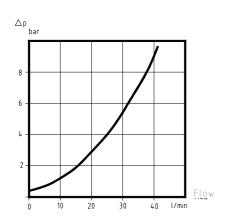


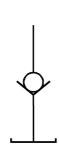
Fits in sections **S01A**, **S10A**, **S11A**, **S01R** and **S01H**.

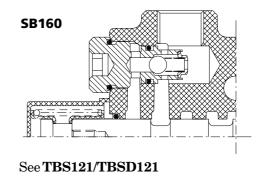


Anticavitation valve SB160

Check valve for equalising vacuum in the secondary circuit.









SPOOL CONTROLS

Symbol	Description	Code	Symbol	Description	Code	
w[]	Spring centred. Marine version	910 9M	<u> </u>	P=pneumatic on/off PP=pneumatic proportio- nal. Conn. 1/8" BSP	P/PP	
	Detent in positions I, II and III.	10	MIII M	Electric pneumatic on/off. Rated voltage 12/24 V=*	EP	
### <u>IIII</u> V	For 4-position spool. Spring centred and with detent in position IV.	11	<u> </u>	Hydr. proportional.*** Pilot pressure 6-16 bar Pilot pressure max 40 bar	HPD	
#### <u>III</u> III	Spring centred. Detent in position III and IV.	12		El.hydr. on/off.*** Flow demand 1 l/min for opera-	EH	
M I I M	Spring centred. Detent in position II.	13		tion. Pilot pressure min 7 bar. Pilot pressure max 40 bar.Duty factor 100%.**	12/24	
##W <u>III</u> II	Spring centred. Detent in position III.	14		El.hydr. proportional. See separate data sheet.	EHPD 12/24	
4+++w <u>II II II</u> W	Spring centred. Detent in position II and IV.	15		El. hydr. proportional. Single-side mounted. See separate data sheet.	EHPS 1601	
	External hydraulic kick-out from inserted spool.***	L61		Spool position indicator. Operating range 10-30 V. Output voltage, spool centered: < 1 V.	LE11	
	External hydraulic kick-out from extended spool.***	L62		External electronics are required. See separate data sheet.		
	External hydraulic kick- out from inserted and extended spool.***	L63	• • • • • • • • • • • • • • • • • • • •	Spool position indicator. Operating range 10-36 V. Output voltage, spool	LE14	
	External hydraulic kick- out from inserted and extended spool,locking neutral position.***	L64	<u> </u>	centered: ≈ supply voltage. External electronics are required. See separate data sheet.	LE14	

^{*} Rated current 350/190mA. Operation output 2,3 W. Min holdingpower 0,15 W. Max voltage variation.±5%. Duty factor 100 %. Conn. M5. For hose 6x1.

This is a selection of most frequent spool controls.

In addition following standard spool controls are available:

- -MM- marine/enclosed hand lever
- -HPD4 -hydr. prop. for 4 pos. spool (non standard).
- -HPDM -hydr. prop. with hand lever.
- -3W, 4W, 9W -spool controls for cable control (see separate datasheet).

Contact us for further information.

^{**} Rated voltage 12/24V =. Rated current 180/90 mA. Voltage variation max \pm 16%. Selection time to extreme position 200 ms, spring centering 110 ms.

^{***} Connection 1/4" BSP.

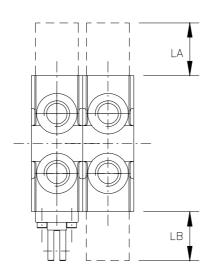


SPOOL CONTROLS

	Bracket types and dimensions											
Code	M19	M29	M39	M111	M211	M2						
For spool type	3-pos.	4-pos.	3-pos.	3-pos.	4-pos.	3-pos.						
Lever ratio. (MV/MH 245)	9:1	9:1	9:1	11:1	11:1							
Notes.			Allows service port valve also when turned 180°. Special lever required			Not for lever (no ear). Only retainer for wiper seal.						
Length mm (LB)	41	50	50	41	50	9						

Type of bracket is chosen depending of required lever ratio, type of lever and if 3- or 4- pos. spool.

A range of manual handlevers, linear and joystick versions, are available.



	Spool control dimensions													
Code	Code 910 9M 10, 11-12 15 L61-L63 L64 P/PP MM EP MPDM HPD EH LE11										LE11			
Length LA	37	70	74	83	97	101	101		70	180	95			
(mm) LB								88	70					

For valves in standard configuration spool controls are mounted on the A-side of the valve and the lever brackets on the B-side.



SPOOLS

A S B	_	ols for genera		
PL P T	10-30	25-50	40-70	
	1D	1K	1Q	
	-	1M	-	For slew function.
	-	1KS1	-	For slew function.
	-	1L	-	For use in LS- systems
	2D	2K	-	
	3D	3K	-	For section S01H.
	-	3L	-	For use in LS- systems
	-	4K	-	
	-	4KA	-	
	-	4KB	-	
	8DB	8KB	-	Regen. function For section S01R
	_	designed for		NOTE:Spools for flow range "35-50 I/min" in combination with Q-inlets only.
	20-30	30-45	35-50	iniets only.
	12SA	14SA	124SA	For slew function. In combination with spool control 918 only.
	12ZA	14ZA	124ZA	For use with load holding valves. Asymmetric. B-port to be connected to piston side of cylinder.
	12ZB	14ZB	124ZB	For use with load holding valves.
	12XA	14XA	124XA	For use with load holding valves. Asymmetric. A-port to be connected to piston side of cylinder.
	12YA	14YA	124YA	For use with load holding valves. Asymmetric. B-port to be connected to piston side of cylinder.



MISCELLANEOUS

	neck valves/meter-in ions/plugs	Various plugs						
Code	Description	Code	Description					
MB01	Non-return valve in inlet channel of each spool section. Used in all	P131	Fits m.r.v. TBB 131 cavity.					
	spool sections with exeptions below	PL131	For cavity opposite m.r.v. in inlet I01A .					
MB02	Function as MB01 . Used in regen. section (S01R).	P400	Fits m.r.v. TBD 160 cavity.					
MB03	Function as MB01 . Used in A-side of "float" section (S01H).	PE20	Fits el.unloading valve cavity.					
		P121	Fits service port valve cavity. Blocks connection A/B - T .					
MF	Meter-in restriction. Used in spool section S11A.							
	Contact Nordhydraulic representative for available sizes.	PK121	Fits service port valve cavity. Connects A/B - T .					
MP01	Plug in check valve cavity. (Without poppet - no non-return valve function).	PGT02	Standard 1/4" BSP plug.					
	,	PG04	Standard 1/2" BSP plug.					
MP02	Plug in check valve cavity. Blocks connection between parallel gallery and service port.	PG06	Standard 3/4" BSP plug.					

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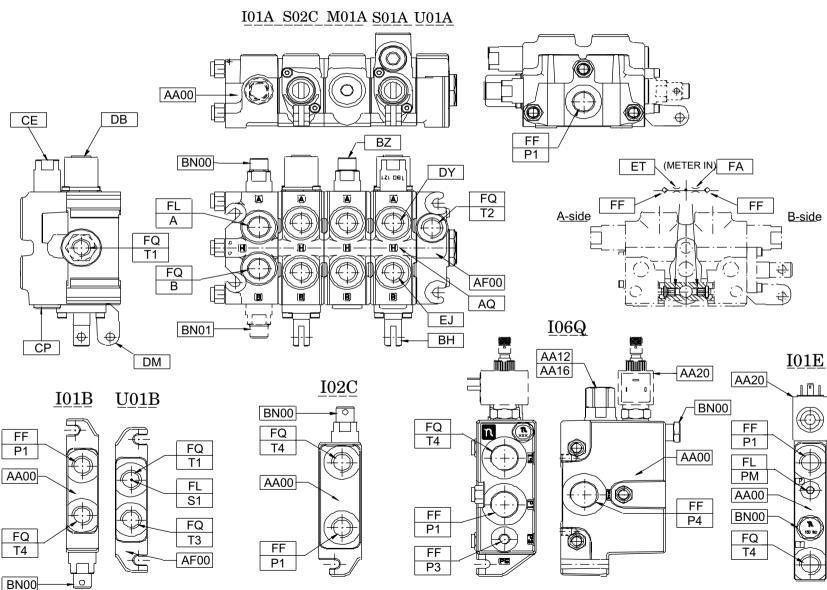
Designations refer to coordinates

in specification sheets.





2002-04-24



Page 1 (1)

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ľ	Made by :	HG	Date:	00-11-21	Date o	f reg :		Sign :			GC	24 Cust. A	rt.No:			
Inlet	section	AA00	Inlet										AA12	Mete	ering orifice	
			106	6Q											PF12	
		BN00	Main relief va	alve A loc.	AA16	Flow	control unit		AA20	El.co	ntr.v. for AA	.16	BN01	Main	relief valve B	location
			TB11	-290			FKA283/	2			EDI6192	26				
					AA24	Dam	check valv	e	AA28	Press	s. reducing v	/alve				
						•	FSB3									
Outlet	section	AF00	Outlet		AF04	Press	s. reducing v	alve	AF08	Press	ress.limiting valve			Pilot	pressure de	vice
			UO	1B											•	
Genera	al	AL00	Tie rod kit						AL08				AL12	Foot		
										Stand. X High temp.			1			
Vork se	ct. Honing, ass	embly	Compl. v.			l.		Se	ection	•				1		
and testing instructions.				01	02		03	04)5	06	07		8	09	10
AQ	Section	-		S01A	_)1A	S01B	S01B	_	S01A S01A						
ΑV	Inter section	seal														
вс	Instr. honing		PHAHG													
ВН	Spool		1	124SA	12	4XA	124YA	124ZA	+ ,	K	1K				+	+
ВΠ	Эроо і			1243A	124	+AA	1241A	124ZA		ı N	II.				-	+
		Function		SWING	LI	FT	JIB	EXT.	R	OT.	GRAB					
BS	Instr. assemb	oly	PHAMOG													
BZ	Main rel.valve	e intermed.														
CE	section	volvo.		TDCD404		104			-	104	D404				 	+
CE	Service port	vaive		TBSD121 180	P1	21			P'	121	P121		+		+	+
СК	Check valve	A-side		MB01	ME	301	MB01	MB01	М	B01	MB01		1		1	
	35 74.170			201	T		201			_ • •	201		1		1	1
СР	Service port	valve		TBSD121	TBI	0121			P [']	121	P121					
	B-side			180	1:	20										

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Page 1 (2)

Part number for the valve specification will be assigned by Nordhydraulic

1716-01234

Ordering

exemple

2002-04-24

Valve specification

RS 210 Article No: 1716-01234 Valve type: **RS216**

			Compl. v.								Se	ction	No										
	Descriptio	n	00	0)1	0	2	0	3	()4	C)5	06	3	0	7		80	()9		10
CU	Check valve	B-side		ME	301	ME	301	ME	301	М	B01	MI	B01	MB	01								
DB	Spool control			9	18	9	10	9	10	9	10	9	10	91	0								
	A-side																						
DM	Spool control			М	19	M	19	М	19	N	119	M	119	M1	9								
	B-side																						
DY	Port A			ļ																			
				ļ																			
EJ	Port B																						
	ļ			-										-						-			
ET	Accessories			-																-			
	A-side			1		1		1										-		1			
FA	Accessories																						
	B-side	1.		D 4				D 0		D 4	1	D -											
FF	Pressure por	ts		P 1		1		P 3		P 4		P 5											
	D	1-				D1.4			T02	PP 1	G06	DD 0	1					D0	1	S 1	1		
FL	Pressure por	ts		1		PM		PPM		PP 1		PP 2						PS		+	200	Α	
	-		1	T 4		T 0		T 0		T 4	1	T F							1	_	S20	_	
FQ	Tank ports			T 1		T 2		T 3		T 4		T5						TD		TD4		В	
	Leafe teaffer		BULABO	1				PC	904														
FV	Instr. testing		PHAPG																				
FY	Instr. testing			1																1			
1	mou. testing																						
Rema	in.spec.					GC04	Conn	ecting	mani	fold 1		GC08	Conn	ecting	mani	fold 2		GC12	Instr	uction	markii	ng	
																					PHAMO	3	
		GC16	Instruction	packir	ng	GC20	Instru	ıction	paintii	ng		GC28	Custo	omer N	0								
LINO	rdhydraulic			AEG					HAMN									1					

1716-01234

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NOTES



NOTES

For further information, please contact us:									







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