



# VALVES

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## HIRSCH HYDRAULIC SERVICES



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<u>Part Number</u>	<b>VALVES MONOBLOCK</b>		RETAIL:
			01-10-2022
	<b><u>MB - 4 - TAK - BOK SERIES</u></b>		
	<b>( 60 LITRES FLOW RATE 1/2" PORTS )</b>		
60H-MB-4-1-1-2	MB - 4 / 1 - S - 3 / 18 L / G - 4 / M 3	ONE SPOOL	
60H-MB-4-2-1-2	MB - 4 / 2 - S - 3 / 18 L / G - 4 / M 3	TWO SPOOL	
60H-MB-4-3-1-2	MB - 4 / 3 - S - 3 / 18 L / G - 4 / M 3	THREE SPOOL	
60H-MB-4-4-1-2	MB - 4 / 4 - S - 3 / 18 L / G - 4 / M 3	FOUR SPOOL	
60H-MB-4-5-1-2	MB - 4 / 5 - S - 3 / 18 L / G - 4 / M 3	FIVE SPOOL	
60H-MB-4-6-1-2	MB - 4 / 6 - S - 3 / 18 L / G - 4 / M 3	SIX SPOOL	
	<b><u>SPOOL TYPE</u></b>		
60H-YLMB43001	SPOOL DOUBLE ACTING ON PORT ( A & B ) ( SPOOL TYPE 1 )		
60H-YLMB43002	SPOOL MOTOR ACTING ON PORT ( A & B ) ( SPOOL TYPE 2 )		
60H-YLMB43003	SPOOL SINGLE ACTING ON PORT ( A ) ( SPOOL TYPE 3 ) ( SPOOL IN ) LEVER OUT		
60H-YLMB43004	SPOOL SINGLE ACTING ON PORT ( B ) ( SPOOL TYPE 4 ) ( SPOOL OUT ) LEVER IN		
	<b><u>SPOOL CONTROL</u></b>		
60H-YLMB44061	3 POSITION DETENT KIT TYPE ( 6-1 )		
60H-YLMB44092	1 POSITION DETENT KIT TYPE ( 9-2 ) DETENT IN PORT B WITH SPRING CENTRED		
60H-YLMB44093	1 POSITION DETENT KIT TYPE ( 9-3 ) DETENT IN PORT A WITH SPRING CENTRED		
60H-YLMB44080	PNEUMATIC CONTROL KIT TYPE ( 8P )		
60H-YLMB48EP3	ELECTRO PNEUMATIC CONTROL KIT TYPE ( 8EP3 ) 12 OR 24 VOLT ( TO BE ADDED TO ABOVE )		
60H-YLMB45002	JOYSTICK KIT TYPE ( LCB )		
60H-YLMB44200	DUAL CONTROL KIT TYPE ( 8D2 )		
	<b><u>ACCESSORIES</u></b>		
60H-YLMB45000	LEVER BOX KIT TYPE ( L )		
60H-YLMB34007	LEVER BOX KIT TYPE ( 7 L ) NYLON		
60H-YLMB44008	END CAP KIT TYPE ( 8 )		
60H-YLMB35000	END CAP KIT TYPE ( 7 ) NYLON		
60H-YLMB45001	DUST CAP KIT TYPE ( SPL )		
60H-YLMB08160	LEVER KIT TYPE ( YLO2M8X160 )		
60H-YLMB42003	RELIEF VALVE CARTRIDGE TYPE ( MG-3 ) RANGE 63 - 200 BAR		
60H-YLMB42002S	RELIEF VALVE SPRING KIT TYPE ( MG-2 ) RANGE 40 - 80 BAR		
60H-YLMB42003S	RELIEF VALVE SPRING KIT TYPE ( MG-3 ) RANGE 63 - 200 BAR		
60H-YLMB42004S	RELIEF VALVE SPRING KIT TYPE ( MG-4 ) RANGE 160 - 315 BAR		
60H-YLMB454121	DUMP - G04 - 12V DC (NC) - 2TXV021		
	<b><u>TECHNICAL SPECIFICATIONS</u></b>		
	<b><u>THREADS AND SIZES:</u></b>		
	A - PORT ON TOP	1/2" BSPP	
	B - PORT ON TOP	1/2" BSPP	
	P - PORT ON TOP	1/2" BSPP	
	T - PORT ON TOP	1/2" BSPP	
	C/O - PORT ON SIDE	1/2" BSPP	
	<b><u>RECOMMENDED FLOW RATE:</u></b>		
	60 LITRES PER MIN.		
	<b><u>PRESET OPERATING PRESSURE:</u></b>		
	120 BAR		
	<b><u>MAXIMUM OPERATING PRESSURE:</u></b>		
	315 BAR		
	<b><u>TANK LINE PRESSURE:</u></b>		
	25 BAR		
	<b><u>PORT IDENTIFICATION</u></b>		
	PORT ( B ) CLOSEST TO SPRING		
	PORT ( A ) CLOSEST TO LEVER		
			
	<b>PLEASE NOTE: ALL O.E.M. NAMES OR NUMBERS ARE FOR REFERENCE USE ONLY</b>		<b>PAGE A 2</b>




Part Number	VALVES MONOBLOCK		RETAIL:
			01-10-2022
	<b><u>MB - 5 - TAK - BOK SERIES</u></b>		
	<b>(90 LITRES FLOW RATE 1/2" PORTS)</b>		
60H-MB-5-1-1-2	MB - 5 / 1 S - 3 / 1 8 L / G - 4 - 6 / M 3	ONE SPOOL	
60H-MB-5-2-1-2	MB - 5 / 2 S - 3 / 1 8 L / G - 4 - 6 / M 3	TWO SPOOL	
60H-MB-5-3-1-2	MB - 5 / 3 S - 3 / 1 8 L / G - 4 - 6 / M 3	THREE SPOOL	
60H-MB-5-4-1-2	MB - 5 / 4 S - 3 / 1 8 L / G - 4 - 6 / M 3	FOUR SPOOL	
60H-MB-5-5-1-2	MB - 5 / 5 S - 3 / 1 8 L / G - 4 - 6 / M 3	FIVE SPOOL	
60H-MB-5-6-1-2	MB - 5 / 6 S - 3 / 1 8 L / G - 4 - 6 / M 3	SIX SPOOL	
	<b><u>POSSIBLE OPTIONS</u></b>		
60H-YLMB5COPG6	POWER BEYOND <b>POSSIBLE</b> ; USE POWER BEYOND SLEEVE		
60H-4B-08	CLOSED CENTER <b>POSSIBLE</b> ; USE ABOVE & 1/2" BSPP HEX ADAPTOR & WASHER		
	<b><u>SPOOL TYPE</u></b>		
60H-YLMB53001	SPOOL DOUBLE ACTING ON PORT ( A & B ) ( SPOOL TYPE 1 )		
60H-YLMB53002	SPOOL MOTOR ACTING ON PORT ( A & B ) ( SPOOL TYPE 2 )		
60H-YLMB53003	SPOOL SINGLE ACTING ON PORT ( A ) ( SPOOL TYPE 3 ) ( SPOOL IN ) LEVER OUT		
60H-YLMB53004	SPOOL SINGLE ACTING ON PORT ( B ) ( SPOOL TYPE 4 ) ( SPOOL OUT ) LEVER IN		
	<b><u>SPOOL CONTROL</u></b>		
60H-YLMB54061	3 POSITION DETENT KIT TYPE ( 6-1 )		
60H-YLMB54092	1 POSITION DETENT KIT TYPE ( 9-2 ) DETENT IN PORT B WITH SPRING CENTRED		
60H-YLMB54093	1 POSITION DETENT KIT TYPE ( 9-3 ) DETENT IN PORT A WITH SPRING CENTRED		
60H-YLMB54080	PNEUMATIC CONTROL KIT TYPE ( 8P )		
60H-YLMB58EP3	ELECTRO PNEUMATIC CONTROL KIT TYPE ( 8EP3 ) 12 OR 24 VOLT ( TO BE ADDED TO ABOVE )		
60H-YLMB55002	JOYSTICK KIT TYPE ( LCB )		
60H-YLMB54082	DUAL CONTROL KIT TYPE ( 8D2 )		
60H-MB5-1DRHL	ROTARY DETENT KIT TYPE PLUS LEVER		
	<b><u>ACCESSORIES</u></b>		
60H-YLMB55000	LEVER BOX KIT TYPE ( L )		
60H-YLMB54008	END CAP KIT TYPE ( 8 )		
60H-YLMB55001	DUST CAP KIT TYPE ( SPL )		
60H-YLMB10200	LEVER KIT TYPE ( YLO1M10X200 )		
60H-YLMB52003	RELIEF VALVE CARTRIDGE TYPE ( AG-3 ) RANGE 125 - 250 BAR		
60H-YLMB52002S	RELIEF VALVE SPRING KIT TYPE ( DG-2 ) RANGE 80 - 160 BAR		
60H-YLMB52003S	RELIEF VALVE SPRING KIT TYPE ( DG-3 ) RANGE 125 - 250 BAR		
60H-YLMB52004S	RELIEF VALVE SPRING KIT TYPE ( DG-4 ) RANGE 200 - 315 BAR		
	<b><u>TECHNICAL SPECIFICATIONS</u></b>		
	<b><u>THREADS AND SIZES:</u></b>		
	A - PORT ON TOP	1/2" BSPP	
	B - PORT ON TOP	1/2" BSPP	
	P - PORT ON TOP	1/2" BSPP	
	T - PORT ON TOP	3/4" BSPP	
	C/O - PORT ON SIDE	3/4" BSPP	
	<b><u>RECOMMENDED FLOW RATE:</u></b>		
	80 LITRES PER MIN.		
	<b><u>PRESET OPERATING PRESSURE:</u></b>		
	120 BAR		
	<b><u>MAXIMUM OPERATING PRESSURE:</u></b>		
	315 BAR		
	<b><u>TANK LINE PRESSURE:</u></b>		
	25 BAR		
	<b><u>PORT IDENTIFICATION</u></b>		
	PORT ( A ) CLOSEST TO SPRING		
	PORT ( B ) CLOSEST TO LEVER		
			
	<b>PLEASE NOTE: ALL O.E.M. NAMES OR NUMBERS ARE FOR REFERENCE USE ONLY</b>		<b>PAGE A 4</b>




Part Number	VALVES STACK		RETAIL: 01-10-2022
	<b><u>SN - 4 - TAK - BOK SERIES</u></b>		
	<b>( 80 LITRES FLOW RATE 1/2" PORTS )</b>		
61H-SN-4-1-1-2	SN - 4 / 1 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	ONE SPOOL	
61H-SN-4-2-1-2	SN - 4 / 2 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	TWO SPOOL	
61H-SN-4-3-1-2	SN - 4 / 3 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	THREE SPOOL	
61H-SN-4-4-1-2	SN - 4 / 4 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	FOUR SPOOL	
61H-SN-4-5-1-2	SN - 4 / 5 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	FIVE SPOOL	
61H-SN-4-6-1-2	SN - 4 / 6 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	SIX SPOOL	
61H-SN-4-7-1-2	SN - 4 / 7 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	SEVEN SPOOL	
61H-SN-4-8-1-2	SN - 4 / 8 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	EIGHT SPOOL	
61H-SN-4-9-1-2	SN - 4 / 9 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	NINE SPOOL	
61H-SN-4-10-1-2	SN - 4 / 10 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	TEN SPOOL	
61H-SN-4-11-1-2	SN - 4 / 11 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	ELEVEN SPOOL	
61H-SN-4-12-1-2	SN - 4 / 12 S - 3 / 1 8 L / P 3 T / G - 4 - 6 / M 3	TWELVE SPOOL	
	<b><u>SPOOL TYPE</u></b>		
61H-YLWSN42001	SPOOL DOUBLE ACTING ON PORT ( A & B )	( SPOOL TYPE 1 )	
61H-YLWSN42002	SPOOL MOTOR ACTING ON PORT ( A & B )	( SPOOL TYPE 2 )	
61H-YLWSN42003	SPOOL SINGLE ACTING ON PORT ( A )	( SPOOL TYPE 3 ) ( SPOOL OUT ) LEVER IN	
61H-YLWSN42004	SPOOL SINGLE ACTING ON PORT ( B )	( SPOOL TYPE 4 ) ( SPOOL IN ) LEVER OUT	
61H-YLWSN45003	PORT RELIEF VALVES PER PORT P ( G3-100 ) RANGE 100 TO 250 BAR		
61H-YLWSN45004	PORT RELIEF VALVES PER PORT P ( G4-200 ) RANGE 200 TO 315 BAR		
	<b><u>SPOOL CONTROL</u></b>		
61H-YLWSN43061	3 POSITION DETENT KIT TYPE ( 6-1 )		
61H-YLWSN43092	1 POSITION DETENT KIT TYPE ( 9-2 ) DETENT IN PORT B WITH SPRING CENTRED		
61H-YLWSN43093	1 POSITION DETENT KIT TYPE ( 9-3 ) DETENT IN PORT A WITH SPRING CENTRED		
61H-YLWSN43080	PNEUMATIC CONTROL KIT TYPE ( 8P )		
61H-YLWSN48EP3	ELECTRO PNEUMATIC CONTROL KIT TYPE ( 8EP3 ) 12 OR 24 VOLT ( TO BE ADDED TO ABOVE )		
61H-YLWSN430810	HYDRAULIC PILOT CONTROL KIT TYPE ( 8IM )		
61H-JHP-1-1S-G2	HYDRAULIC PILOT JOY - STICK PER SECTION PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-JHP-1-1S-FD	HYDRAULIC PILOT JOY - STICK FRICTION DETENT PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-JHP-201-LCB	HYDRAULIC PILOT JOY - STICK 4 Way PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-YLWSN44002	VALVE JOYSTICK KIT MANUAL TYPE ( LCB )		
61H-YLWSN43082	DUAL CONTROL KIT TYPE ( 8D2 )		
61H-SN4-1DRHL	ROTARY DETENT KIT TYPE PLUS LEVER		
	<b><u>ACCESSORIES</u></b>		
61H-YLWSN44000	LEVER BOX	KIT TYPE ( L )	
61H-YLWSN44001	DUST CAP	KIT TYPE ( SPL )	
61H-YLWSN43008	END CAP	KIT TYPE ( 8 )	
61H-YLWSN10200	LEVER	KIT TYPE ( YLO1M10X200 )	
61H-YLPSN43003	RELIEF VALVE CARTRIDGE	TYPE ( DG-3 ) RANGE 125 - 250 BAR	
61H-YLPSN43002S	RELIEF VALVE SPRING	KIT TYPE ( DG-2 ) RANGE 80 - 160 BAR	
61H-YLPSN43003S	RELIEF VALVE SPRING	KIT TYPE ( DG-3 ) RANGE 125 - 250 BAR	
61H-YLPSN43004S	RELIEF VALVE SPRING	KIT TYPE ( DG-4 ) RANGE 200 - 315 BAR	
61H-YLPEPCFSN4	PRESSURE COMPENSATED FLOW DIVIDER		
	<b><u>TECHNICAL SPECIFICATIONS:</u></b>		
	P - PORT	1/2" BSPP	
	A - PORT ( SPRING )	1/2" BSPP	
	B - PORT ( LEVER )	1/2" BSPP	
	T - PORT	3/4" BSPP	
	CO - PORT	3/4" BSPP	
	<b><u>RECOMMENDED FLOW RATE:</u></b>		
	80 LITRES PER MIN.		
	<b><u>MAX OPERATING PRESSURE:</u></b>		
	315 BAR		
	<b><u>PORT PRESSURE:</u></b>		
	315 BAR		
	<b><u>TANK LINE PRESSURE:</u></b>		
	25 BAR		
	PLEASE NOTE: ALL O.E.M. NAMES OR NUMBERS ARE FOR REFERENCE USE ONLY		






Part Number	<b>VALVES STACK</b>		RETAIL: 01-10-2022
	<b><u>SN - 6 - TAK - BOK SERIES</u></b>		
	<b>( 150 LITRES FLOW RATE 3/4" PORTS )</b>		
61H-SN-6-1-3-4	SN - 6 / 1 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	ONE SPOOL	
61H-SN-6-2-3-4	SN - 6 / 2 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	TWO SPOOL	
61H-SN-6-3-3-4	SN - 6 / 3 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	THREE SPOOL	
61H-SN-6-4-3-4	SN - 6 / 4 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	FOUR SPOOL	
61H-SN-6-5-3-4	SN - 6 / 5 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	FIVE SPOOL	
61H-SN-6-6-3-4	SN - 6 / 6 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	SIX SPOOL	
61H-SN-6-7-3-4	SN - 6 / 7 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	SEVEN SPOOL	
61H-SN-6-8-3-4	SN - 6 / 8 S - 3 / 1 8 L / P3T / G - 6 - 1 / M 3	EIGHT SPOOL	
	<b><u>SPOOL TYPE</u></b>		
61H-YLWSN62001	SPOOL DOUBLE ACTING ON PORT ( A & B )	( SPOOL TYPE 1 )	
61H-YLWSN62002	SPOOL MOTOR ACTING ON PORT ( A & B )	( SPOOL TYPE 2 )	
61H-YLWSN62003	SPOOL SINGLE ACTING ON PORT ( A )	( SPOOL TYPE 3 ) ( SPOOL OUT ) LEVER IN	
61H-YLWSN62004	SPOOL SINGLE ACTING ON PORT ( B )	( SPOOL TYPE 4 ) ( SPOOL IN ) LEVER OUT	
61H-YLWSN65003	PORT RELIEF VALVES PER PORT P ( G3-100 ) RANGE 100 TO 250 BAR		
61H-YLWSN65004	PORT RELIEF VALVES PER PORT P ( G4-200 ) RANGE 200 TO 315 BAR		
	<b><u>SPOOL CONTROL</u></b>		
61H-YLWSN63061	3 POSITION DETENT KIT TYPE ( 6-1 )		
61H-YLWSN63092	1 POSITION DETENT	KIT TYPE ( 9-2 ) DETENT IN PORT B WITH SPRING CENTRED	
61H-YLWSN63093	1 POSITION DETENT	KIT TYPE ( 9-3 ) DETENT IN PORT A WITH SPRING CENTRED	
61H-YLWSN63080	PNEUMATIC CONTROL KIT TYPE ( 8P )		
61H-YLWSN68EP3	ELECTRO PNEUMATIC CONTROL KIT TYPE ( 8EP3 ) 12 OR 24 VOLT ( TO BE ADDED TO ABOVE )		
61H-YLWSN630810	HYDRAULIC PILOT CONTROL KIT TYPE ( 8IM )		
61H-JHP-1-1S-G2	HYDRAULIC PILOT JOY - STICK PER SECTION PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-JHP-1-1S-FD	HYDRAULIC PILOT JOY - STICK FRICTION DETENT PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-JHP-201-LCB	HYDRAULIC PILOT JOY - STICK 4 WAY PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-YLWSN64002	JOYSTICK	KIT TYPE ( LCB )	
61H-YLWSN63082	DUAL CONTROL	KIT TYPE ( 8D2 )	
61H-SN6-1DRHL	ROTARY DETENT	KIT TYPE PLUS LEVER	
	<b><u>ACCESSORIES</u></b>		
61H-YLWSN64000	LEVER BOX	KIT TYPE ( L )	
61H-YLWSN64001	DUST CAP	KIT TYPE ( SPL )	
61H-YLWSN63008	END CAP	KIT TYPE ( 8 )	
61H-YLWSN10200	LEVER	KIT TYPE ( YLO1M10X200 )	
61H-YLPSN63003	RELIEF VALVE CARTRIDGE	TYPE ( FG-3 ) RANGE 63 - 200 BAR	
61H-YLPSN63002S	RELIEF VALVE SPRING	KIT TYPE ( FG-3 ) RANGE 63 - 200 BAR	
61H-YLPSN63003S	RELIEF VALVE SPRING	KIT TYPE ( FG-4 ) RANGE 160 - 315 BAR	
61H-YLPSN63000	PILOT OPERATED RELIEF	KIT TYPE ( XFG ) RANGE 25 - 315 BAR	
61H-YLPEPCFSN6	PRESSURE COMPENSATED FLOW DIVIDER		
	<b><u>TECHNICAL SPECIFICATIONS:</u></b>		
	P - PORT	3/4" BSPP	
	A - PORT (SPRING)	3/4" BSPP	
	B - PORT (LEVER)	3/4" BSPP	
	T - PORT	1" BSPP	
	CO - PORT	1" BSPP	
	<b><u>RECOMMENDED FLOW RATE:</u></b>		
	150 LITRES PER MIN.		
	<b><u>MAX OPERATING PRESSURE:</u></b>		
	315 BAR		
	<b><u>PORT PRESSURE:</u></b>		
	315 BAR		
	<b><u>TANK LINE PRESSURE:</u></b>		
	25 BAR		
			
	<b>PLEASE NOTE: ALL O.E.M. NAMES OR NUMBERS ARE FOR REFERENCE USE ONLY</b>		

Part Number	<b>VALVES STACK</b>		RETAIL:
			01-10-2022
	<b><u>SN - 8 - TAK - BOK SERIES</u></b>		
	<b>( 250 LITRES FLOW RATE 1" PORTS )</b>		
61H-SN-8-1-1	SN - 8 / 1 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	ONE SPOOL	
61H-SN-8-2-1	SN - 8 / 2 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	TWO SPOOL	
61H-SN-8-3-1	SN - 8 / 3 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	THREE SPOOL	
61H-SN-8-4-1	SN - 8 / 4 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	FOUR SPOOL	
61H-SN-8-5-1	SN - 8 / 5 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	FIVE SPOOL	
61H-SN-8-6-1	SN - 8 / 6 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	SIX SPOOL	
61H-SN-8-7-1	SN - 8 / 7 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	SEVEN SPOOL	
61H-SN-8-8-1	SN - 8 / 8 S - XHG / 18 L / P3T / G - 8 - 10 / M 3	EIGHT SPOOL	
	<b><u>SPOOL TYPE</u></b>		
61H-YLWSN82001	SPOOL DOUBLE ACTING ON PORT ( A & B )	( SPOOL TYPE 1 )	
61H-YLWSN82002	SPOOL MOTOR ACTING ON PORT ( A & B )	( SPOOL TYPE 2 )	
61H-YLWSN82003	SPOOL SINGLE ACTING ON PORT ( A )	( SPOOL TYPE 3 ) ( SPOOL OUT ) LEVER IN	
61H-YLWSN82004	SPOOL SINGLE ACTING ON PORT ( B )	( SPOOL TYPE 4 ) ( SPOOL IN ) LEVER OUT	
61H-YLWSN85003	PORT RELIEF VALVE ( G3-100 ) RANGE 100 TO 250 BAR		
61H-YLWSN85004	PORT RELIEF VALVE ( G4-200 ) RANGE 200 TO 315 BAR		
	<b><u>SPOOL CONTROL</u></b>		
61H-YLWSN83061	3 POSITION DETENT KIT TYPE ( 6-1 )		
61H-YLWSN83062	2 POSITION DETENT KIT TYPE ( 6-2 )		
61H-YLWSN83063	2 POSITION DETENT KIT TYPE ( 6-3 )		
61H-YLWSN83091	2 POSITION DETENT KIT TYPE ( 9-1 ) DETENT IN PORT A AND B WITH SPRING CENTRED		
61H-YLWSN83092	1 POSITION DETENT KIT TYPE ( 9-2 ) DETENT IN PORT B WITH SPRING CENTRED		
61H-YLWSN83093	1 POSITION DETENT KIT TYPE ( 9-3 ) DETENT IN PORT A WITH SPRING CENTRED		
61H-YLWSN83080	PNEUMATIC CONTROL KIT TYPE ( 8P )		
61H-YLWSN88EP3	ELECTRO PNEUMATIC CONTROL KIT TYPE ( 8EP3 ) 12 OR 24 VOLT ( TO BE ADDED TO ABOVE )		
61H-YLWSN830810	HYDRAULIC PILOT CONTROL KIT TYPE DOUBLE ACTING SPOOL ( 18IM )		
61H-YLWSN830811	HYDRAULIC PILOT CONTROL KIT TYPE MOTOR ACTING SPOOL ( 28IM )		
61H-JHP-1-1S-G2	HYDRAULIC PILOT JOY - STICK PER SECTION PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-JHP-1-1S-FD	HYDRAULIC PILOT JOY - STICK FRICTION DETENT PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-JHP-201-LCB	HYDRAULIC PILOT JOY - STICK 4 WAY PILOT PRESSURE 2 - 20 Bar 1/4" Bsp PORTS		
61H-YLWSN83082	DUAL CONTROL KIT TYPE ( 8D2 )		
61H-SN8-1DRHL	ROTARY DETENT KIT TYPE PLUS LEVER		
	<b><u>ACCESSORIES</u></b>		
61H-YLWSN84000	LEVER BOX	KIT TYPE ( L )	
61H-YLWSN84001	DUST CAP	KIT TYPE ( SPL )	
61H-YLWSN83008	END CAP	KIT TYPE ( 8 )	
61H-YLWSN12200	LEVER	KIT TYPE ( YLO9M12X200 )	
61H-YLPSN83000	RELIEF VALVE CARTRIDGE KIT TYPE ( XHG ) RANGE 25 - 315 BAR		
61H-YLPSN83002S	RELIEF VALVE SPRING KIT TYPE ( G2-63 ) RANGE 63 - 125 BAR		
61H-YLPSN83003S	RELIEF VALVE SPRING KIT TYPE ( G3-100 ) RANGE 100 - 250 BAR		
61H-YLPSN83004S	RELIEF VALVE SPRING KIT TYPE ( G4-200 ) RANGE 200 - 315 BAR		
61H-YLPEPCFSN8	PRESSURE COMPENSATED FLOW DIVIDER		
	<b><u>TECHNICAL SPECIFICATIONS:</u></b>		
	P - PORT	1" BSPP	
	A - PORT (SPRING)	1" BSPP	
	B - PORT (LEVER)	1" BSPP	
	T - PORT	1-1/4" BSPP	
	CO - PORT	1-1/4" BSPP	
	<b><u>RECOMMENDED FLOW RATE:</u></b>		
	250 LITRES PER MIN.		
	<b><u>MAX OPERATING PRESSURE:</u></b>		
	315 BAR		
	<b><u>PORT PRESSURE:</u></b>		
	315 BAR		
	<b><u>TANK LINE PRESSURE:</u></b>		
	25 BAR		
	<b>PLEASE NOTE: ALL O.E.M. NAMES OR NUMBERS ARE FOR REFERENCE USE ONLY</b>		<b>PAGE B 3</b>



Part Number	<b>VALVES PROPORTIONAL MODULAR</b>		RETAIL:
	<b><u>PV- 4 PROPORTIONAL VALVE</u></b> <b>( 140 LITRES FLOW RATE )</b>		<b>01-10-2022</b>
	<b><u>PV-4 Features;</u></b>		
	<ol style="list-style-type: none"> <li>1. Oil flow to an individual function is independent of the load pressure of this function</li> <li>2. Oil flow to one function is independent of the load pressure of other functions</li> <li>3 .The load sensing function can be used in a simple directional control valve to an advanced electrically controlled load- independent proportional valve</li> <li>4. Great spool control , spool flow or pressure selection from 10 litres to 130 litres</li> <li>5. Energy - saving</li> </ol>		
	<b><u>PROPORTIONAL VALVE MECHANICALLY ACTUATED SPRING CENTERED</u></b>		
61H-PV4-1-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 1 - DA - SP	<b>ONE SPOOL</b>
61H-PV4-2-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 2 - DA - SP	<b>TWO SPOOL</b>
61H-PV4-3-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 3 - DA - SP	<b>THREE SPOOL</b>
61H-PV4-4-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 4 - DA - SP	<b>FOUR SPOOL</b>
61H-PV4-5-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 5 - DA - SP	<b>FIVE SPOOL</b>
61H-PV4-6-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 6 - DA - SP	<b>SIX SPOOL</b>
61H-PV4-7-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 7 - DA - SP	<b>SEVEN SPOOL</b>
61H-PV4-8-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 8 - DA - SP	<b>EIGHT SPOOL</b>
61H-PV4-9-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 9 - DA - SP	<b>NINE SPOOL</b>
61H-PV4-10-DASP	CONTROL VALVE PROPORTIONAL	PV - 4 / 10 - DA - SP	<b>TEN SPOOL</b>
	<b><u>PROPORTIONAL VALVE MECHANICALLY ACTUATED SPRING CENTERED WITH L/S PRV</u></b>		
61H-PV4-1-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 1 - DA - SP-L/S PRV	<b>ONE SPOOL</b>
61H-PV4-2-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 2 - DA - SP-L/S PRV	<b>TWO SPOOL</b>
61H-PV4-3-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 3 - DA - SP-L/S PRV	<b>THREE SPOOL</b>
61H-PV4-4-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 4 - DA - SP-L/S PRV	<b>FOUR SPOOL</b>
61H-PV4-5-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 5 - DA - SP-L/S PRV	<b>FIVE SPOOL</b>
61H-PV4-6-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 6 - DA - SP-L/S PRV	<b>SIX SPOOL</b>
61H-PV4-7-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 7 - DA - SP-L/S PRV	<b>SEVEN SPOOL</b>
61H-PV4-8-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 8 - DA - SP-L/S PRV	<b>EIGHT SPOOL</b>
61H-PV4-9-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 9 - DA - SP-L/S PRV	<b>NINE SPOOL</b>
61H-PV4-10-LSPR	CONTROL VALVE PROPORTIONAL WITH L/S PRV ;	PV - 4 / 10 - DA - SP-L/S PRV	<b>TEN SPOOL</b>
	<b><u>TECHNICAL SPECIFICATIONS:</u></b>		
	P - PORT	3/4" BSPP	
	A - PORT (LEVER)	1/2" BSPP	
	B - PORT (SPRING)	1/2" BSPP	
	T - PORT	3/4" BSPP	
	<b><u>RECOMMENDED FLOW RATE:</u></b>		
	140 LITRES PER MIN.		
	<b><u>MAX OPERATING PRESSURE:</u></b>		
	350 BAR		
	<b><u>PORT PRESSURE:</u></b>		
	350 BAR		
	<b><u>TANK LINE PRESSURE:</u></b>		
	40 BAR		
			
<b>PLEASE NOTE: ALL O.E.M. NAMES OR NUMBERS ARE FOR REFERENCE USE ONLY</b>			<b>PAGE B 4</b>


Part Number	<b>VALVES PROPORTIONAL MODULAR</b>		RETAIL:
			01-10-2022
	<b><u>PV- 4 PROPORTIONAL VALVE STANDARD SERIES</u></b>		
	<b>( 140 LITRES FLOW RATE )</b>		
	<b><u>Pump Side Module Options:</u></b> ( Can be modified for Open Center fixed displacement pump )		
61H-PV4P0201	For mechanically actuated valves Closed centre Pump with variable displacement		
61H-PV4P0205	Pilot oil supply for electrically actuated and connection for pilot oil pressure Close centre Pump variable displacement		
61H-PV4P0206H	Pilot oil supply for hydraulic actuation and connection for pilot oil pressure Closed centre Pump Side Module for pumps with variable displacement		
	<b><u>Mid-Inlet Options:</u></b>		
61H-PV4P0304	Max spool oil flow 230L/m With pilot oil supply for electrically actuation valves Closed centre Mid-Inlet Module for pumps with variable displacement		
	<b><u>Basic Module Options:</u></b>		
61H-PV4V04-G4	Non - damped pressure compensated valve		
61H-PV4V04U-G4	Non - damped pressure compensated valve with shock and suction valves		
	<b><u>A and B Port Options:</u></b>		
61H-PV4U300	Shock and Suction valve; Bar 50, 100, 150, 210, 250, 300, 350		
61H-PV4C	Suction and Anti-Cavitation Valve		
61H-PV4DST	Plug		
	<b><u>Spool options</u></b>		
61H-PV4201XXX	Double acting; Flow rates; 5, 10, 25, 40, 65, 100, 130 Litres		
61H-PV4202XXX	Motor acting ; Flow rates; 5, 10, 25, 40, 65, 100, 130 Litres		
61H-PV4204XXX	Single acting ; Flow rates; 10, 25, 40, 65, 100, Litres		
	<b><u>A; Side Actuation Options:</u></b>		
61H-PV4LM	Lever assembly with adjustments		
61H-PV4LEVER	Lever only		
	<b><u>B; Side Actuation Options:</u></b>		
61H-PV4CO	Cover Standard ( CO )		
61H-PV4FD	Cover Friction detent ( FD )		
61H-PV4HA-G2	Cover Hydraulic actuation ( HA )		
61H-EPVO-H0101	Cover Electrical on/off 11v - 30v ( EPVO )		
61H-EPVM-H0111	Cover Electrical proportional LVT 12VDC ( EPVM )		
61H-EPVM-H0121	Cover Electrical proportional LVT 24VDC ( EPVM )		
61H-EPVE-12	Cover Electrical proportional PWM 12VDC ( EPVE )		
61H-EPVE-24	Cover Electrical proportional PWM 24VDC ( EPVE )		
	<b><u>End Plate Options:</u></b>		
61H-PV4C0201	Standard End Plate		
61H-PV4C0202	Special End Plate with LS Port G1/4"		
	<b><u>Tie Rod Kits Options:</u></b>		
61H-PV4M-0XX	One to Ten Section Tie Kits		
	<b><u>Seal Kit per Section</u></b>		
61H-2BMPV400539	Seal Kit Work Section		
61H-2BMPV400375	Seal Kit LM CO HA FD		
61H-2BMPV400541	Seal Kit End Plate		
61H-2BMEPV0050	Seal Kit EPVO		
61H-2BMEPV0052	Seal Kit EPVM		
61H-PV4-LAB-1	Labour to set pressures and flow on test bench per spool		

<u>Part Number</u>	<b>VALVES PROPORTIONAL MODULAR</b>	RETAIL: 01-10-2022
	<b><u>PV- 4 PROPORTIONAL VALVE (LS A/B) PRESSURE RELIEF SERIES</u></b> <b>( 140 LITRES FLOW RATE )</b>	
	<b><u>Pump Side Module Options;</u></b> ( Can be modified for Open Center fixed displacement pump )	
61H-PV4P0201	For mechanically actuated valves Closed centre Pump with variable displacement	
61H-PV4P0205	Pilot oil supply for electrically actuated and connection for pilot oil pressure Close centre Pump variable displacement	
61H-PV4P0206H	Pilot oil supply for hydraulic actuation and connection for pilot oil pressure Closed centre Pump Side Module for pumps with variable displacement	
	<b><u>Mid-Inlet Options;</u></b>	
61H-PV4P0304	Max spool oil flow 230L/m With pilot oil supply for electrically actuation valves Closed centre Mid-Inlet Module for pumps with variable displacement	
	<b><u>Basic Module Options;</u></b>	
61H-PV4V06-G4	Non - damped pressure compensated valve with adjustable LS on A/B pressure relief valve	
61H-PV4V06U-G4	Non - damped pressure compensated valve with adjustable LS on A/B pressure relief valve with shock and suction valves	
	<b><u>Shock and Suction valve Options;</u></b>	
61H-PV4U300	Bar 50, 100, 150, 210, 250, 300, 350	
	<b><u>Spool options</u></b>	
61H-PV4201XXXAB	Double acting; Flow rates; 5, 10, 25, 40, 65, 100, 130 Litres	
61H-PV4202XXXAB	Motor acting ; Flow rates; 5, 10, 25, 40, 65, 100, 130 Litres	
	<b><u>A; Side Actuation Options;</u></b>	
61H-PV4LM	Lever assembly with adjustments	
61H-PV4LEVER	Lever only	
	<b><u>B; Side Actuation Options;</u></b>	
61H-PV4CO	Cover Standard ( CO )	
61H-PV4FD	Cover Friction detent ( FD )	
61H-PV4HA-G2	Cover Hydraulic actuation ( HA )	
61H-EPVO-H0101	Cover Electrical on/off 11v - 30v ( EPVO )	
61H-EPVM-H0111	Cover Electrical proportional LVT 12VDC ( EPVM )	
61H-EPVM-H0121	Cover Electrical proportional LVT 24VDC ( EPVM )	
61H-EPVE-12	Cover Electrical proportional PWM 12VDC ( EPVE )	
61H-EPVE-24	Cover Electrical proportional PWM 24VDC ( EPVE )	
	<b><u>End Plate Options;</u></b>	
61H-PV4C0201	Standard End Plate	
61H-PV4C0202	Special End Plate with LS Port G1/4"	
	<b><u>Tie Rod Kits Options;</u></b>	
61H-PV4M-0XX	One to Ten Section Tie Kits	
	<b><u>Seal Kit per Section</u></b>	
61H-2BMPV400539	Seal Kit Work Section	
61H-2BMPV400375	Seal Kit LM CO HA FD	
61H-2BMPV400541	Seal Kit End Plate	
61H-2BMEPV0050	Seal Kit EPVO	
61H-2BMEPV0052	Seal Kit EPVM	
61H-PV4-LAB-1	Labour to set pressures and flow on test bench per spool	







Part Number	VALVES SOLENOID		RETAIL:
			01-10-2022
	<b><u>NG 10 DIRECTIONAL CONTROL VALVES</u></b> ( 120 Litres Flow Rate 315 Bar Rated )		
62H-4WE10-E-XX	NG 10 DOUBLE SOLENOID VALVE	ALL PORTS BLOCKED	E CODE 3C2
62H-4WE10-H-XX	NG 10 DOUBLE SOLENOID VALVE	ALL PORTS OPEN	H CODE 3C3
62H-4WE10-J-XX	NG 10 DOUBLE SOLENOID VALVE	P CLOSED ; A & B & T OPEN	J CODE 3C4
62H-4WE10-G-XX	NG 10 DOUBLE SOLENOID VALVE	P TO T ; A & B BLOCKED	G CODE 3C6
62H-4WE10-D-XX	NG 10 SINGLE SOLENOID VALVE	P TO A ; T TO B ; IN TRANS CLOSED	D CODE 2B2
62H-4WE10-C-XX	NG 10 SINGLE SOLENOID VALVE	P TO A ; T TO B ; IN TRANS OPEN	C CODE 2B3
62H-4WE10-HA-XX	NG 10 SINGLE SOLENOID VALVE	ALL PORTS OPEN ; TWO POSITION	HA CODE 2B3B
	<b><u>VOLTAGE OPTIONS</u></b>		
	COIL SELECTION DC 12 VOLT OR DC 24 VOLT		
	COIL SELECTION AC 110 VOLT OR AC 220 VOLT		
	<b><u>NG 10 / 16 SUB PLATES</u></b>		
62H-ES5C34P	NG 10 SUB PLATE 3/4" P & T REAR A & B REAR		
62H-ES5C34L	NG 10 SUB PLATE 3/4" P & T SIDE A & B SIDE		
62H-ES5B34PLX3F	NG 10 SUB PLATE WITH RELIEF ONE STATION ( 55 - 315 Bar ) 3/4" P & T SIDE A & B SIDE		
62H-ES710P	NG 16 SUB PLATE 1" P & T REAR A & B REAR X & Y REAR		
	<b><u>MODULAR CONTROLS</u></b>		
62H-ZDB-10-V-P	NG 10 RELIEF VALVE ON PORT P	( 35 - 315 Bar Pressure )	
62H-Z2DB10VC	NG 10 RELIEF VALVE ON PORT A & B	( 35 - 315 Bar Pressure )	
62H-Z2S10AB40	NG 10 CHECK VALVE PILOT CONTROL ON PORT A & B	( 2 Bar Cracking Pressure )	
62H-Z2FS-10-AB3	NG 10 THROTTLE & CHECK METERING OUT OR IN ON PORT A & B	( Swop Plate 180 )	
62H-ZDR10DP2	NG 10 MODULAR PRESURE REDUCING VALVE	( 150 Bar - 0 Pressure )	
	<b><u>NG 10 ACCESSORIES</u></b>		
62H-Z8-120YC12V	NG 10 DC COIL 12V		
62H-Z8-120YC24V	NG 10 DC COIL 24V		
62H-J8-50YC110V	NG 10 AC COIL 110V		
62H-J8-50YC220V	NG 10 DC COIL 220V		
62H-C001123AC	HIRSHMAN & LED AC		
62H-C001123DC	HIRSHMAN & LED DC		
62H-M6X125L	BOLTS NG 10 M 6 X 125 ( each )		
62H-M6X165L	BOLTS NG 10 M 6 X 165 ( each )		
62H-M6X205L	BOLTS NG 10 M 6 X 205 ( each )		
62H-4WE10B	NG10 END CAP BLANKING SCREW		
	<b><u>NG 10 DIRECTIONAL CONTROL VALVES</u></b> ( 200 Litres Flow Rate 315 Bar Rated )		
62H-4WEH10J6X6	NG10 PILOT OIL CONTROL VALVE DOUBLE ACTING	J CODE	( Including NG6 pilot valve )
	<b><u>NG 16 DIRECTIONAL CONTROL VALVES</u></b> ( 300 Litres Flow Rate 315 Bar Rated )		
62H-4WEH16E6X6	NG16 PILOT OIL CONTROL VALVE DOUBLE ACTING	E CODE	( Including NG6 pilot valve )
62H-4WEH16G6X6	NG16 PILOT OIL CONTROL VALVE DOUBLE ACTING	G CODE	( Including NG6 pilot valve )
62H-4WEH16J6X6	NG16 PILOT OIL CONTROL VALVE DOUBLE ACTING	J CODE	( Including NG6 pilot valve )
62H-4WEH16R6X6	NG16 PILOT OIL CONTROL VALVE DOUBLE ACTING	R CODE	( Including NG6 pilot valve )
	<b><u>NG 10 DOUBLE SOLENOID</u></b>	<b><u>NG 10 SINGLE SOLENOID</u></b>	
			
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<u>Part Number</u>	<b>MONOBLOCKS</b>		RETAIL:
			01-10-2022
	<b><u>NG 6 MONOBLOCK WITH RELIEF</u> (3/8" PORTS)</b>		
62H-3ES3B38X3F	NG 6 ONE	STATION WITH RELIEF (55 - 315 Bar) 3/8" P&T SIDE A & B SIDE	
62H-EM213/2X3F	NG 6 TWO	STATION WITH RELIEF (55 - 315 Bar) 3/8" P&T SIDE A & B SIDE	
62H-EM213/3X3F	NG 6 THREE	STATION WITH RELIEF (55 - 315 Bar) 3/8" P&T SIDE A & B SIDE	
62H-EM213/4X3F	NG 6 FOUR	STATION WITH RELIEF (55 - 315 Bar) 3/8" P&T SIDE A & B SIDE	
62H-EM213/5X3F	NG 6 FIVE	STATION WITH RELIEF (55 - 315 Bar) 3/8" P&T SIDE A & B SIDE	
62H-EM213/6X3F	NG 6 SIX	STATION WITH RELIEF (55 - 315 Bar) 3/8" P&T SIDE A & B SIDE	
	NG 6 MONOBLOCK PORTS ; P & T 1/2" BSPP A & B 3/8" BSPP		
62H-LDRDLWN	NG 6 RELIEF VALVE ADJUSTMENT RANGE (55 - 315 Bar) STANDARD		
	<b><u>NG 10 MONOBLOCK WITH RELIEF</u> (1/2" PORTS)</b>		
62H-ES5B34PLX3F	NG 10 ONE	STATION WITH RELIEF (55 - 315 Bar) 3/4" P & T SIDE A & B SIDE	
62H-EM205/2X3F	NG 10 TWO	STATION WITH RELIEF (55 - 315 Bar) 3/4" P & T SIDE A & B SIDE	
62H-EM205/3X3F	NG 10 THREE	STATION WITH RELIEF (55 - 315 Bar) 3/4" P & T SIDE A & B SIDE	
62H-EM205/4X3F	NG 10 FOUR	STATION WITH RELIEF (55 - 315 Bar) 3/4" P & T SIDE A & B SIDE	
62H-EM205/5X3F	NG 10 FIVE	STATION WITH RELIEF (55 - 315 Bar) 3/4" P & T SIDE A & B SIDE	
	NG10 MONOBLOCK PORTS ; P & T 3/4" BSPP A & B 1/2" BSPP		
62H-LDRFLWN	NG 10 RELIEF VALVE ADJUSTMENT RANGE (55 - 315 Bar) STANDARD		
	<b><u>ACCESSORIES</u></b>		
62H-NG6BP	NG 6 STATION BLANKING PLATE		
62H-NG10BP	NG 10 STATION BLANKING PLATE		



NG6



NG6



NG10



NG6



NG6



NG10



NG10 4WEH



NG16 4WEH

**SOLENOID VALVE SPOOL TYPES**

**3 POSITION**

4WE	<b>E</b> 	<b>H</b> 	<b>J</b> 	<b>G</b> 
DSG	<b>3C2</b> 	<b>3C3</b> 	<b>3C4</b> 	<b>3C60</b> 
SWH	<b>C2</b> 	<b>C3</b> 	<b>C4</b> 	<b>C6</b> 
DG4V	<b>2C</b> 	<b>0C</b> 	<b>6C</b> 	<b>8C</b> 
B(L)*H	<b>34E0</b> 	<b>34EH</b> 	<b>34EY</b> 	<b>34EM</b> 

**2 POSITION**

4WE	<b>D</b> 	<b>C</b> 	<b>HA</b> 	
DSG	<b>2B2</b> 	<b>2B3</b> 	<b>2B3B</b> 	
SWH	<b>B2</b> 	<b>B3</b> 	<b>C3B</b> 	
DG4V	<b>2A</b> 	<b>0A</b> 	<b>0B</b> 	
B(L)*H	<b>24E1 1</b> 	—	<b>24EH</b> 	