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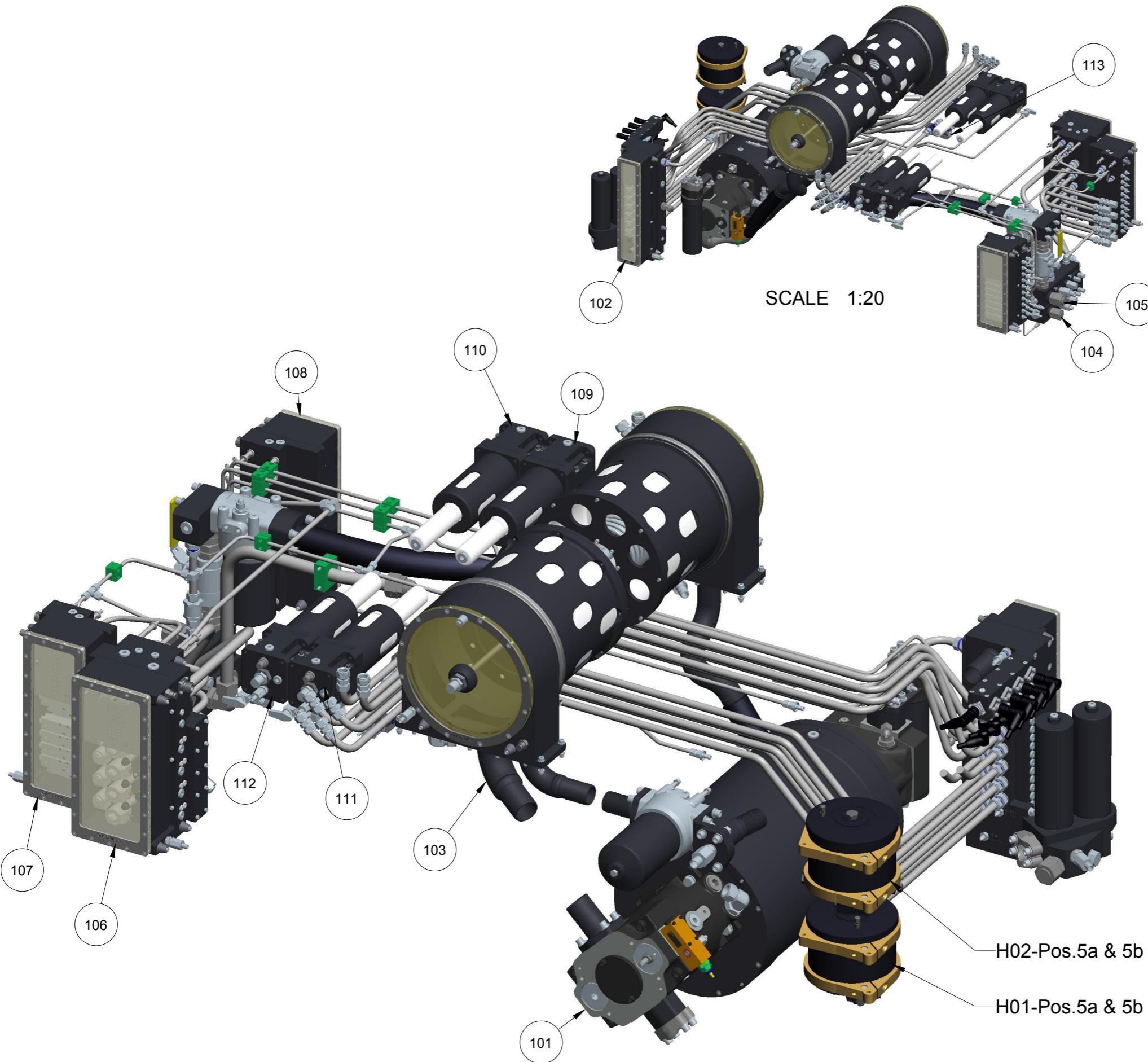
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For Hydralic filters  
see Hydraulic diagram  
Drawing no.: AF25-1000H01 / H02



113	1	Thruster Case Drain System	Sheet 6
112	1	Electric Motor Comp. System	Sheet 6
111	1	Electric JB Comp. System	Sheet 6
110	1	Valve Pack Comp. System	Sheet 6
109	1	Shaft Seal Comp. System	Sheet 6
108	1	General Function Valve Pack, STB	AF25-1035M01-S
107	1	General Function Valve Pack, Port	AF25-1035M01-P
106	1	Auxilliary Controll Unit	AF25-1034M01
105	1	Auxilliary Return System	Sheet 5
104	1	Auxilliary Supply System	Sheet 4
103	1	Main Return System	Sheet 3
102	1	Thruster Control Unit	AF25-1033M01
101	1	HPU Assembly	Sheet 2
Itm.	Qty.	Description	Drg. / Spec.
02	16.06.14	Upgrade to 220hp	GVI EKB EKB
01	23.04.13	AS BUILT	GVI EKB EKB
A	12.04.13	ISSUED FOR COMMENTS	GVI EKB EKB
Rev.	Date	Description	Prep Chk App

## CONSTRUCTOR

Drawing title	Hydraulic System 220hp General Arrangement	Size	
			A3
K Y S T D E S I G N A S	Scale	1:10	Sheet
Strandgaten 202, 5525 Haugesund, NORWAY			1
Tel: +47 52 70 62 50			of
Fax: +47 52 70 62 01			6
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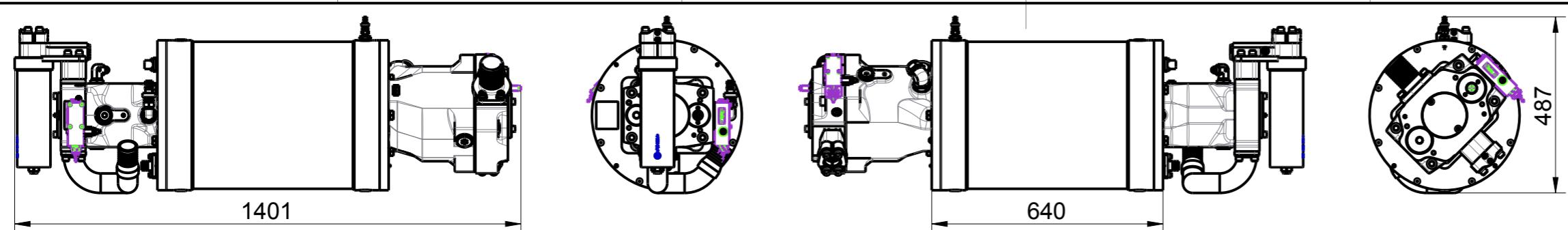
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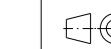


For Hydraulic pumps, valves & filter  
see Hydraulic diagram  
Drawing no.: AF25-1000H01 / H02

Item.	Qty.	Description	Drg. / Spec.	Material
241	1	Positionable Male Elbow	8-12C4OMXSS	SS
240	1	1" Tube Fitting Elbow	SS-1610-2-16PR	SS
239	1	3/4" Tube Fitting	SS-	SS
238	1	3/4" Tube Fitting Elbow	SS-1210-2-12PR	SS
237	1	3/4" Tube adapter	SS-PB12-TA12	SS
236	1	3/8" Tube adapter	SS-PB6-TA6	SS
235	1	3/8" Tube Fitting	SS-600-1-8RS	SS
234	3	1/4" Male Connector	4-4F42EDMXSS	SS
233	1	1" Blanking plug	VSTI1EDCF	SS
232	3	1/2" Blanking plug	VSTI1/2EDCF	SS
231	1	1/4" Blanking plug	VSTI1/4EDCF	SS
230	1	1/2" Bonded Seal		SS
229	8	Screw M16x45	DIN 933	A4
228	8	Washer M16	DIN 125	A4
227	8	Nut M12	DIN 934	A4
226	4	Threaded bar M12x115		A4
225	4	Threaded bar M12x105		A4
224	4	Screw M12x50	DIN 912	A4
223	4	Screw M12x35	DIN 912	A4
222	4	Screw M12x30	DIN 912	A4
221	16	Lock Washer M12	DIN 127B	A4
220	12	Washer M12	DIN 125	A4
219	4	Screw M8x25	DIN 912	A4
218	4	Lock Washer M8	DIN 127B	A4
217	4	Screw M5x20	DIN 912	A4
216	4	Lock Washer M5	DIN 127B	A4
215	2	O-ring 162x3.5	100709	NBR 70
214	2	O-ring 75.87x2.62	101154	NBR 90
213	1	O-ring 69.44x3.53	100689	NBR 90
212	1	O-ring 56.75x3.53	100646	NBR 90
211	1	O-ring 40.95x2.62	100783	NBR 70
210	5	O-ring 37.69x3.53	100688	NBR 90
209	1	O-ring 18.72x2.62	100779	NBR 70
208	1	Connector, Seacon	5506-1504	SS
207	1	Nozzle for 1" hose	AC89-1061M16	AISI 316
206	4	Split Flange, 1-1/4" SAE6000 PSI	FHS65-12SS	SS
205	1	Filter Housing	AF25-1038M11	Aluminium
204	1	2-1/2" SAE Hose Adapter	AD16-1031M90	Aluminium
203	1	2" Hose adapter, Aux. pump	AF25-1031M81	AISI 316L
202	1	HP Filter, Single Manifold	AF25-1038M21	AISI 316L
201	1	Electric Motor, 160kW	250M04-42-60-160-01	
Itm.	Qty.	Description	Drg. / Spec.	Material
02	16.06.14	Upgrade to 220hp	GVI	EKB EKB
01	23.04.13	AS BUILT	GVI	EKB EKB
A	12.04.13	ISSUED FOR COMMENTS	GVI	EKB EKB
Rev.	Date	Description	Prep	Chk App

## CONSTRUCTOR

Drawing title  
Hydraulic System 220hp  
General Arrangement  
HPU Assembly



Size  
A3

K Y S T D E S I G N A S  
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Scale  
13:100

Sheet  
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of  
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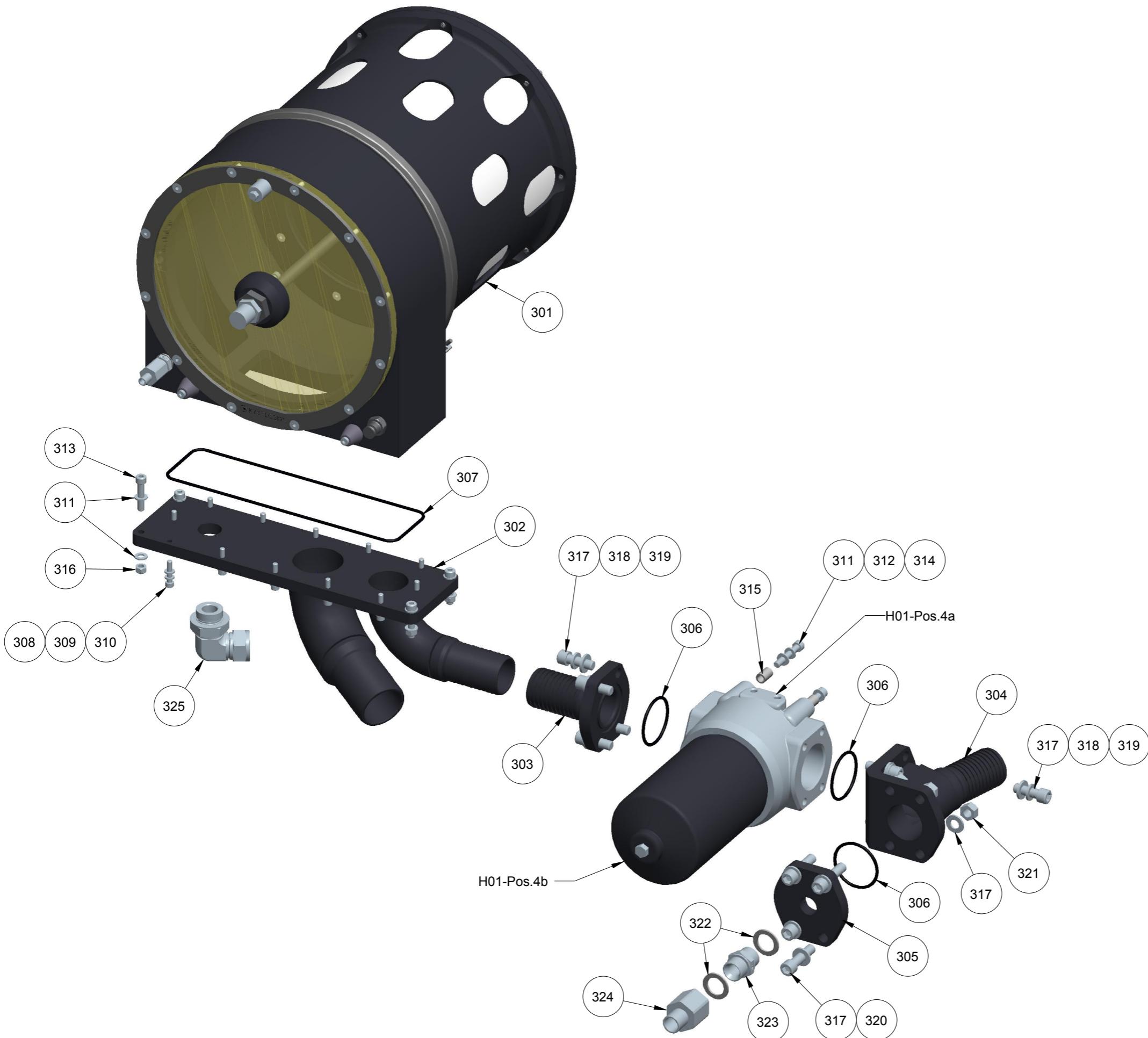
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For Hydraulic filter  
see Hydraulic diagram  
Drawing no.: AF25-1000H01



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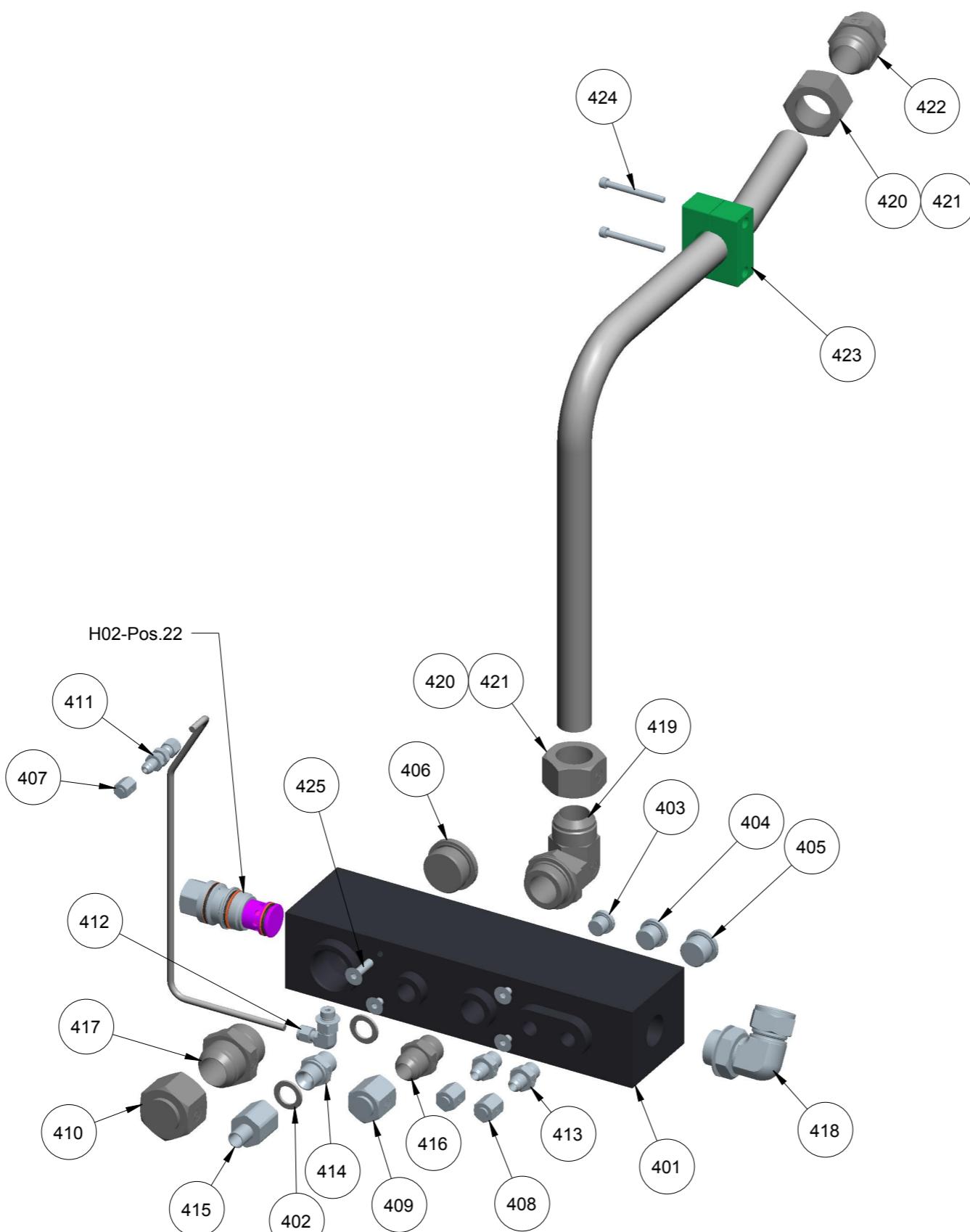
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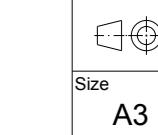
For Hydralic valve  
see Hydraulic diagram  
Drawing no.: AF25-1000H02



425	4	Screw M8x30	DIN 7991	A4
424	2	Screw M6x65	DIN 912	A4
423	1	Hose Clamp, Parker	RAP 532	
422	1	JIC-20 Male/Male	20HMTSS	SS
421	2	1-1/4" Sleewe	20TXSS	SS
420	2	JIC-20 Tube Nut	20BTXSS	SS
419	1	Positionable Male Elbow	20C4OMXSS	SS
418	1	1" Tube Fitting Elbow	SS-1610-2-16PR	SS
417	1	JIC-20 - 1-1/4"BSP	20F42EDMXSS	SS
416	1	JIC-12 - 3/4"BSP	12F42EDMXSS	SS
415	1	1/2" BSP Nipple	SVHN-8-RP	SS
414	1	1/2" Male/Male Adaptor	8HMK4SS	SS
413	2	JIC-06 - 3/8"BSP	6-6F42EDMXSS	SS
412	1	1/4" Tube Fitting Elbow	SS-400-2-4PR	SS
411	1	1/4" Bulkhead Fiting	SS-400-61-4AN	SS
410	1	JIC-20 Cap	20FNMTXSS	SS
409	1	JIC-12 Cap	12FNMTXSS	SS
408	2	JIC-06 Cap	6FNMTXSS	SS
407	1	JIC-04 Cap	4FNMTXSS	SS
406	1	1-1/4" Blanking plug	VSTI11/4EDCF	SS
405	1	3/4" Blanking plug	VSTI3/4EDCF	SS
404	1	1/2" Blanking plug	VSTI1/2EDCF	SS
403	1	3/8" Blanking plug	VSTI3/8EDCF	SS
402	2	1/2" Bonded Seal		SS
401	1	Auxilliary Supply Manifold	AF25-1032M11	Aluminium
Itm.	Qty.	Description	Drg. / Spec.	Material
02	16.06.14	Upgrade to 220hp	GVI	EKB EKB
01	23.04.13	AS BUILT	GVI	EKB EKB
A	12.04.13	ISSUED FOR COMMENTS	GVI	EKB EKB
Rev.	Date	Description	Prep	Chk App

## CONSTRUCTOR

Drawing title  
Hydralic System 220hp  
General Arrangement  
Auxilliary Supply System



K Y S T D E S I G N A S Strandgaten 202, 5525 Haugesund, NORWAY Tel: +47 52 70 62 50 Fax: +47 52 70 62 01 www.kystdesign.no	Scale 1:5	Sheet 4 of 6
File name AF25-1031M01		

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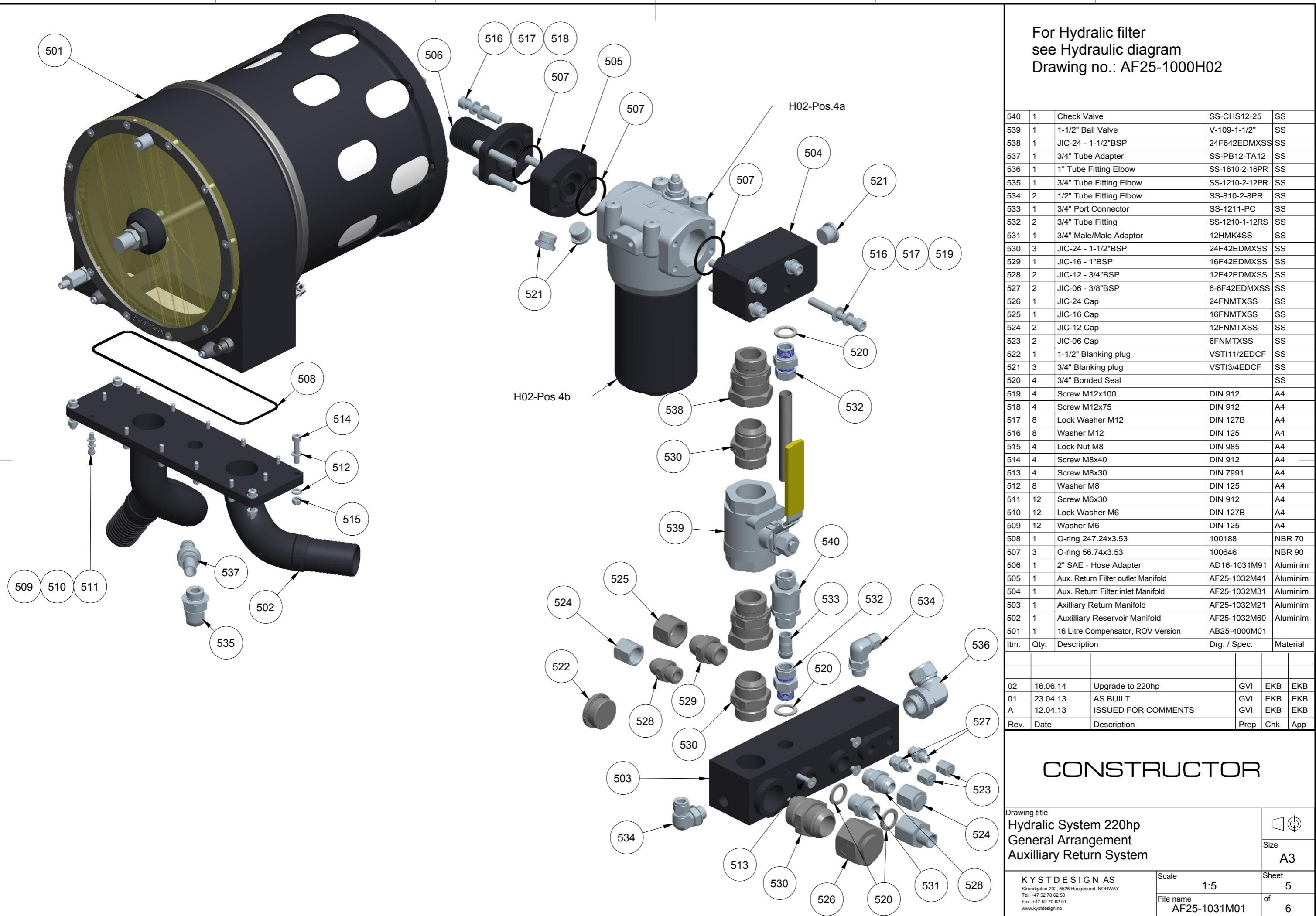
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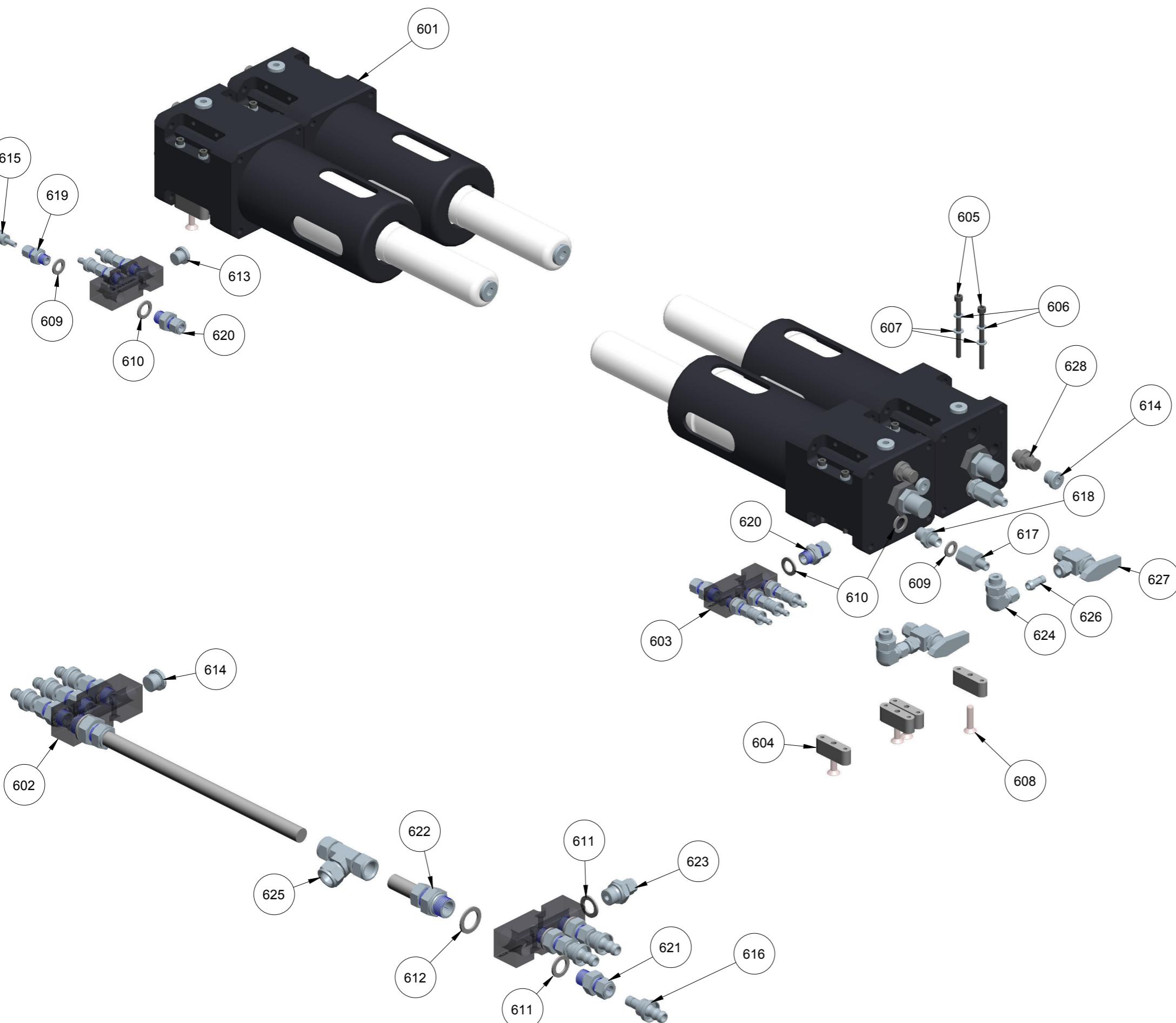
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628	4	Pressure Relief Valve 0.8 Bar	100199	SS
627	4	3/8" Ball Valve	SS-43GS6-A	SS
626	4	3/8" Port Connector	SS-601-PC	SS
625	1	3/4" Union Tee	SS-1210-3	SS
624	4	3/8" Tube Fitting Elbow	SS-600-2-6PR	SS
623	1	3/8" Tube Fitting	SS-600-1-8RS	SS
622	2	3/4" Tube Fitting	SS-1210-1-12RS	SS
621	6	1/2" Tube Fitting	SS-810-1-8RS	SS
620	3	3/8" Tube Fitting	SS-600-1-6RS	SS
619	6	1/4" Tube Fitting	SS-400-1-4RS	SS
618	4	Male/Male Adaptor 1/4"-3/8"	6-4HMK4SS	SS
617	4	1/4" BSP Nipple	SVHN-4-4RP	SS
616	6	1/2" Tube Adapter	SS-PB8-TA8	SS
615	6	1/4" Tube Adapter	SS-PB4-TA4	SS
614	1	1/2" Blanking plug	VSTI1/2EDCF	SS
613	9	3/8" Blanking plug	VSTI3/8EDCF	SS
612	2	3/4" Bonded Seal		SS
611	7	1/2" Bonded Seal		SS
610	7	3/8" Bonded Seal		SS
609	10	1/4" Bonded Seal		SS
608	8	Screw M8x25	DIN 7991	A4
607	16	Lock Washer M6	DIN 127B	A4
606	16	Washer M6	DIN 125	A4
605	16	Screw M6x80	DIN 912	A4
604	8	Interface plate for 1.2L Comp.	AF25-1013M11	AISI 316
603	2	Thruster shaft seal Manifold	AF25-1032M91	Aluminium
602	2	Thruster case drain Manifold	AF25-1032M81	Aluminium
601	4	Compensator 1.2 Litre	AB89-1037M01	POM
Itm.	Qty.	Description	Drg. / Spec.	Material
02	16.06.14	Upgrade to 220hp	GVI	EKB EKB
01	23.04.13	AS BUILT	GVI	EKB EKB
A	12.04.13	ISSUED FOR COMMENTS	GVI	EKB EKB
Rev.	Date	Description	Prep	Chk App

## CONSTRUCTOR

Drawing title Hydraulic System 220hp General Arrangement 1.2 Litre Compensator System		Size A3
K Y S T D E S I G N A S Strandgaten 202, 5525 Haugesund, NORWAY Tel: +47 52 70 62 50 Fax: +47 52 70 62 01 www.kystdesign.no	Scale 1:5	Sheet 6 of 6