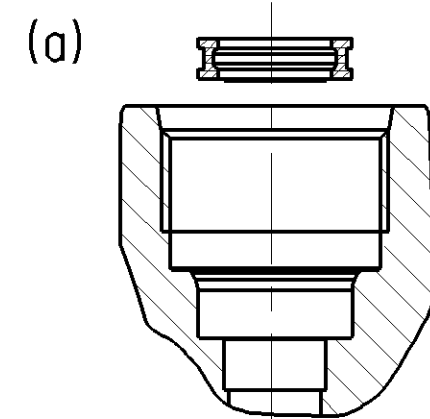


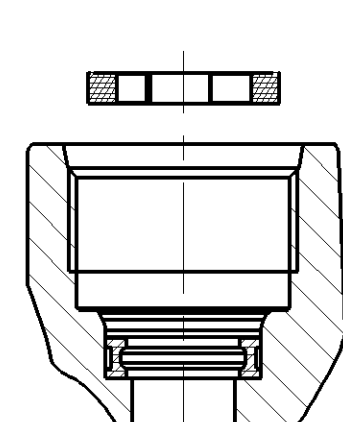
		1	2
A	XVII	STEEL	NO TREATMENT
	XVI	CAST IRON	PLATED
	XV	STEEL	ZINC IRON PLATED
	XIV	CAST IRON	NO TREATMENT
	XIII	STEEL ALLOY	ANODISED
	XII	PLASTIC	NO TREATMENT
	XI	RUBBER	NO TREATMENT
	X	STAINLESS STEEL	NO TREATMENT
	IX	BRASS	NO TREATMENT
	VIII	ZINC ALLOY	CHROMATED
B	VII	ALUMINIUM ALLOY	ANODISED
	VI	ALUMINIUM ALLOY	CHROMATED
	V	CAST IRON	PAINTED
	IV	STEEL	POWDER COATED
	III	STEEL	PAINTED
	II	STEEL	PHOSPHATED
	I	STEEL	ZINC PLATED
PART CODE		MATERIAL	SURFACE PROTECTION

«1» SAFETY CHARACTERISTICS	0
«2» SIGNIFICANT CHARACTERISTICS	5
«C1» CUSTOMER INTERFACE	2

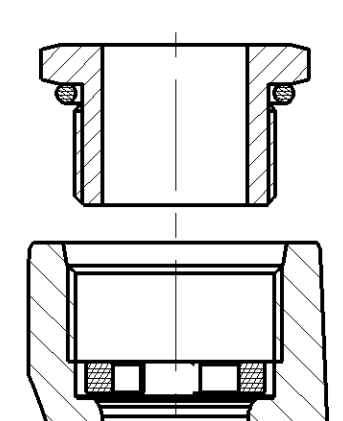
ASSEMBLY PROCEDURE



THE SPRING ELEMENT IS INSERTED INTO THE CHAMBER UNDER THE THREAD ROOT OF THE CONNECTION BORE (a) AND (b).



THE RETAINING CLIP IS INTRODUCED SO THAT IT RESTS FLAT ON THE THREAD ROOT (b) AND (c).
THE SPRING ELEMENT AND RETAINING CLIP ARE SYMMETRICAL.



THE MALE FITTING PRE-ASSEMBLED WITH THE PRE-GREASED O-RING TO SEAL THE THREAD IS SCREWED BY HAND INTO THE TAPPED BORE (C) AND TIGHTENED.

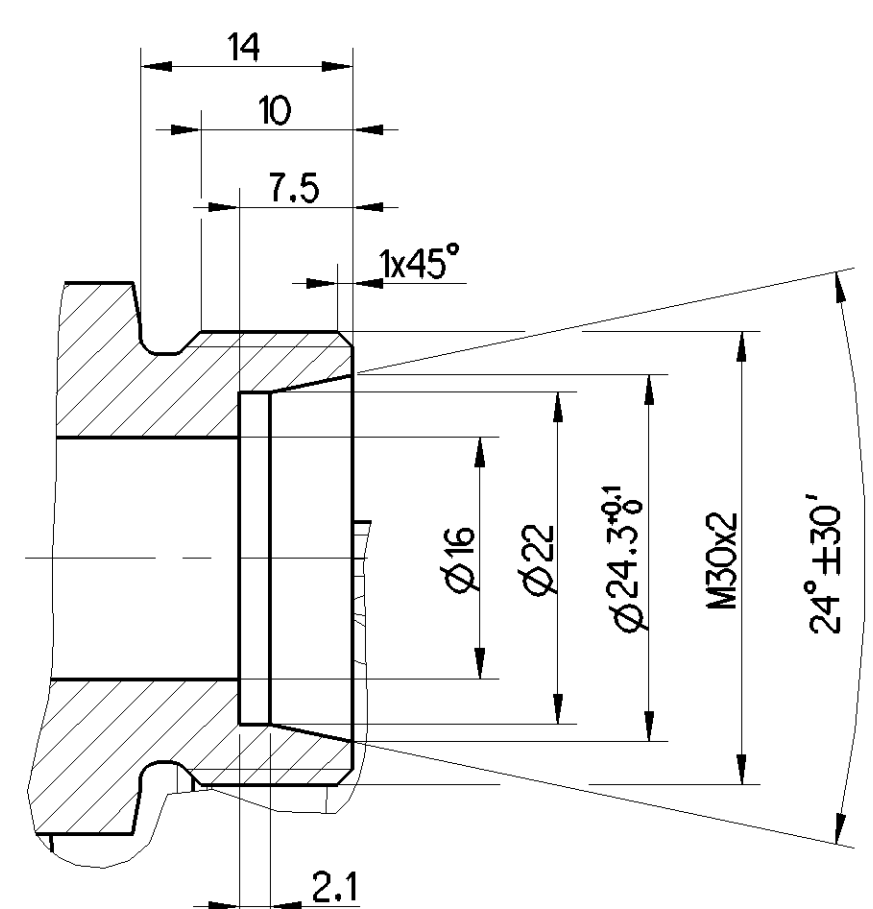


FIGURE T

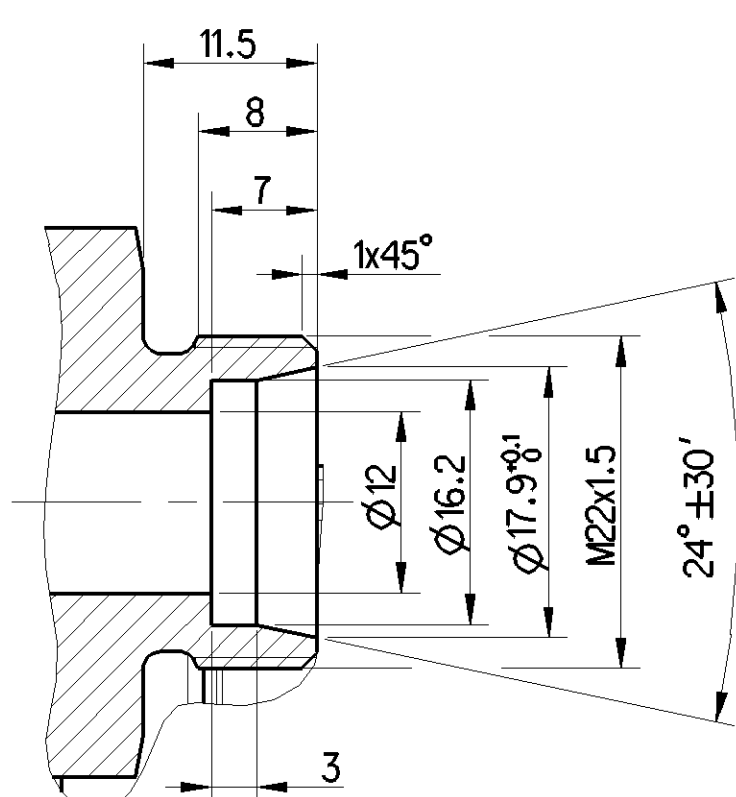
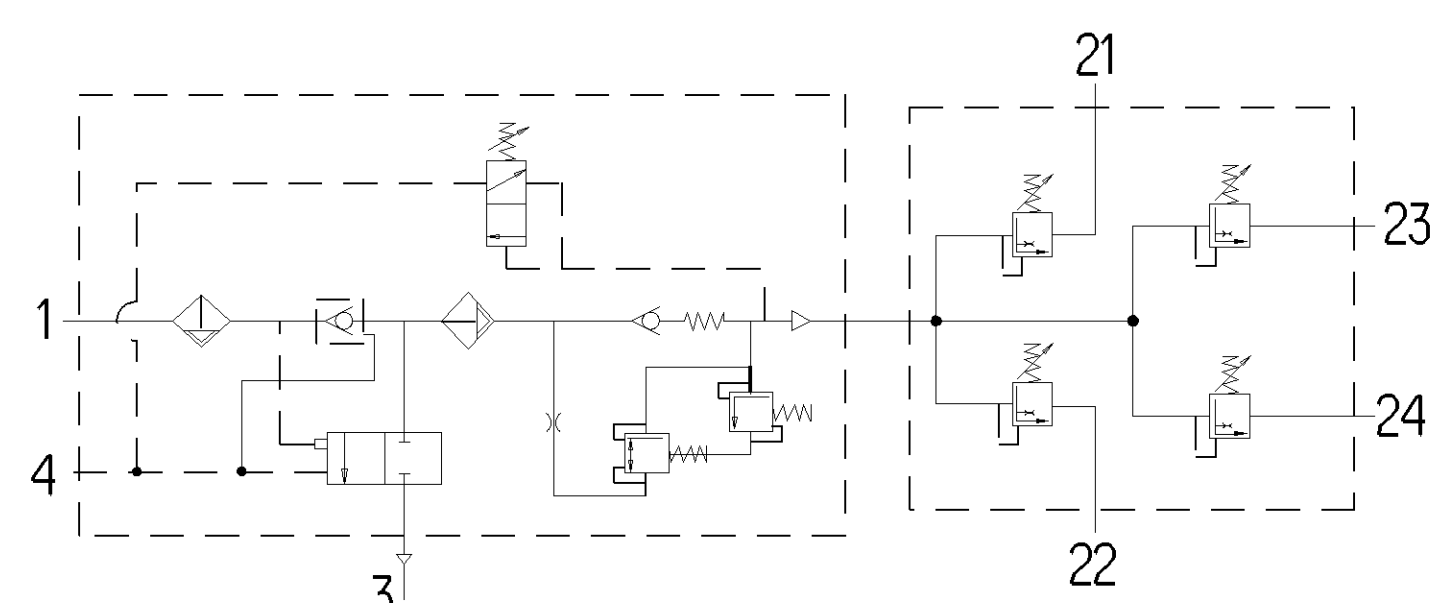
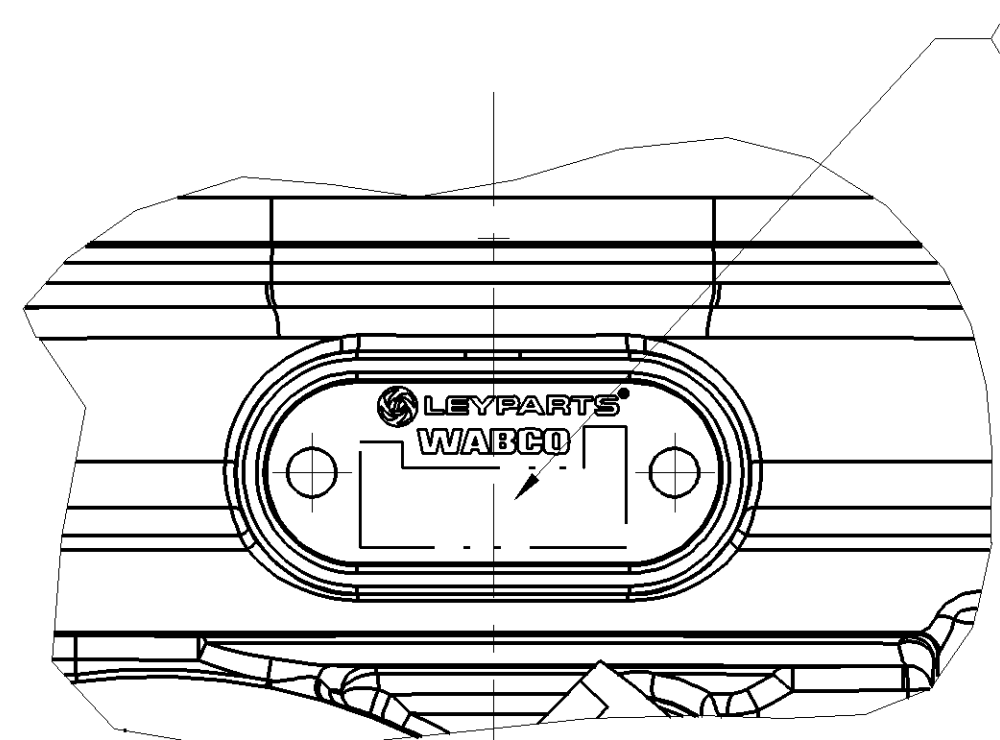
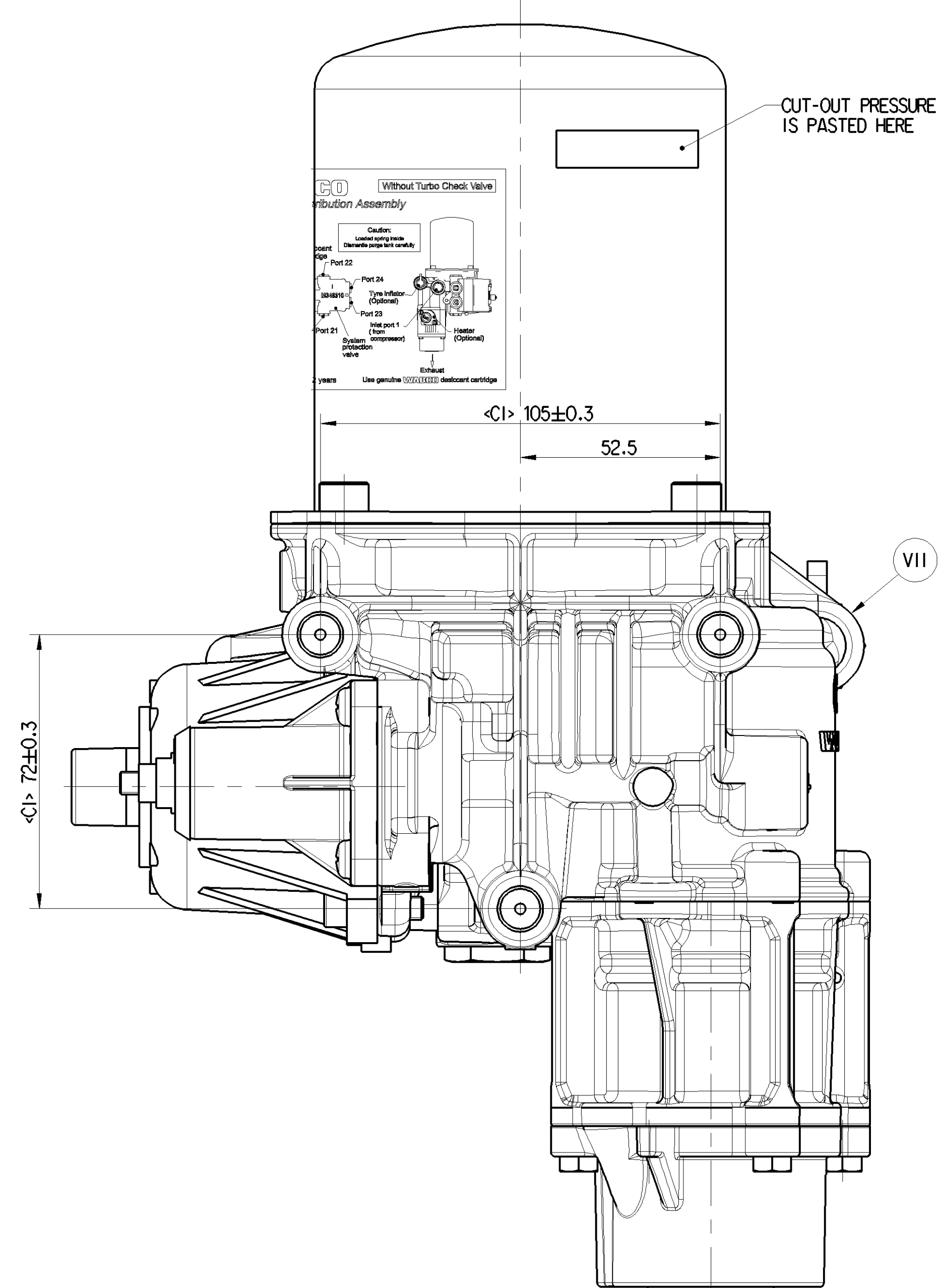
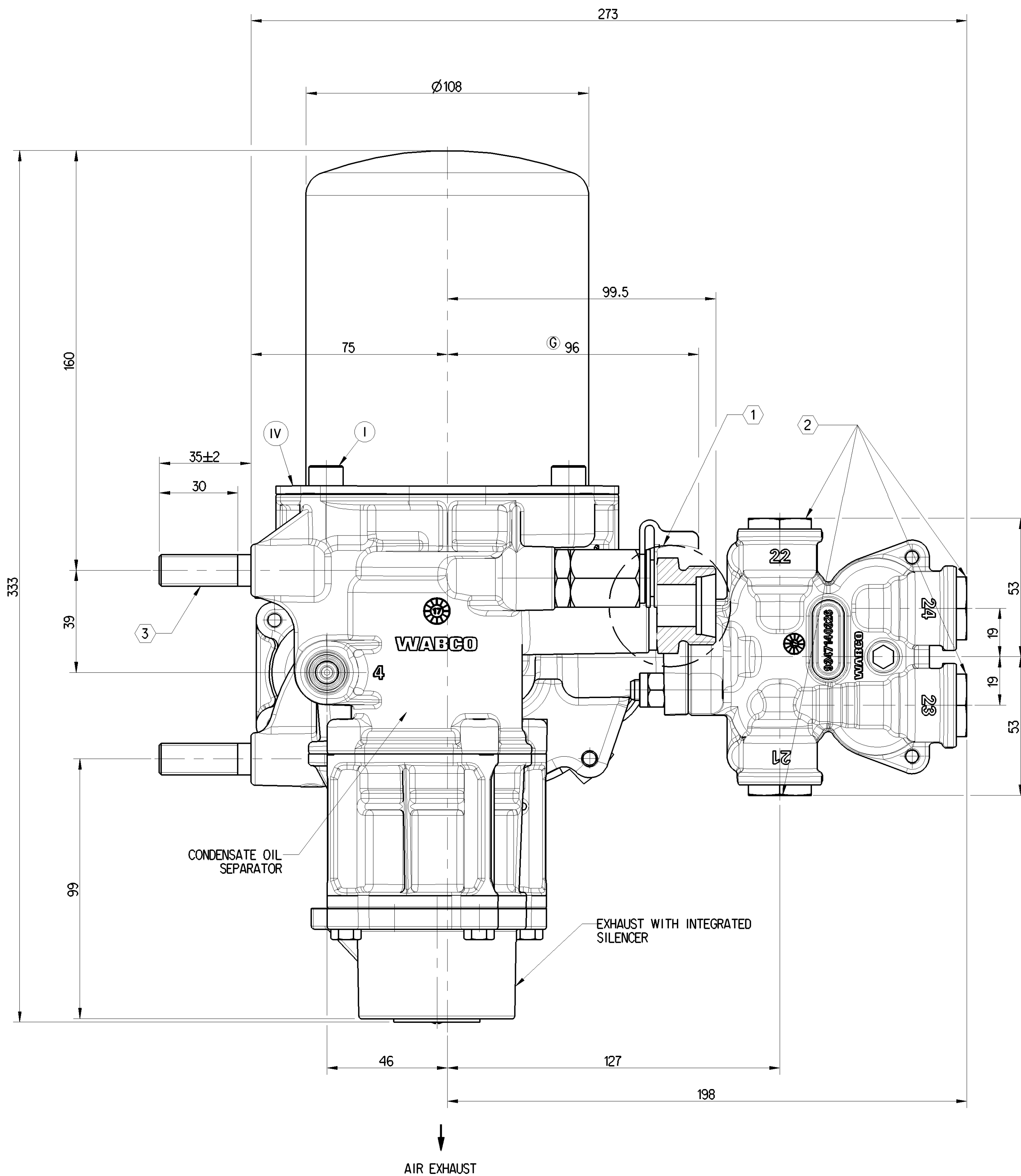
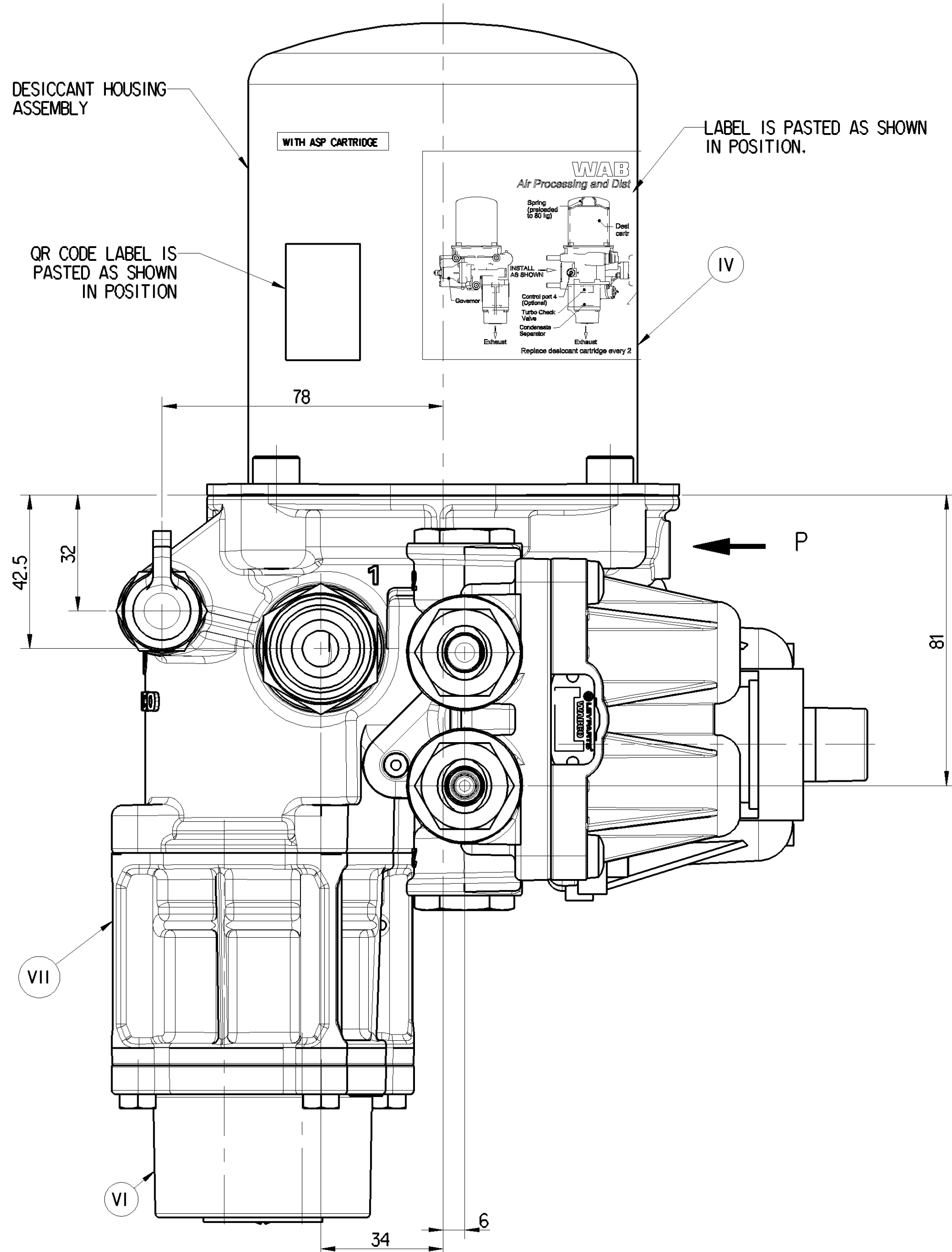


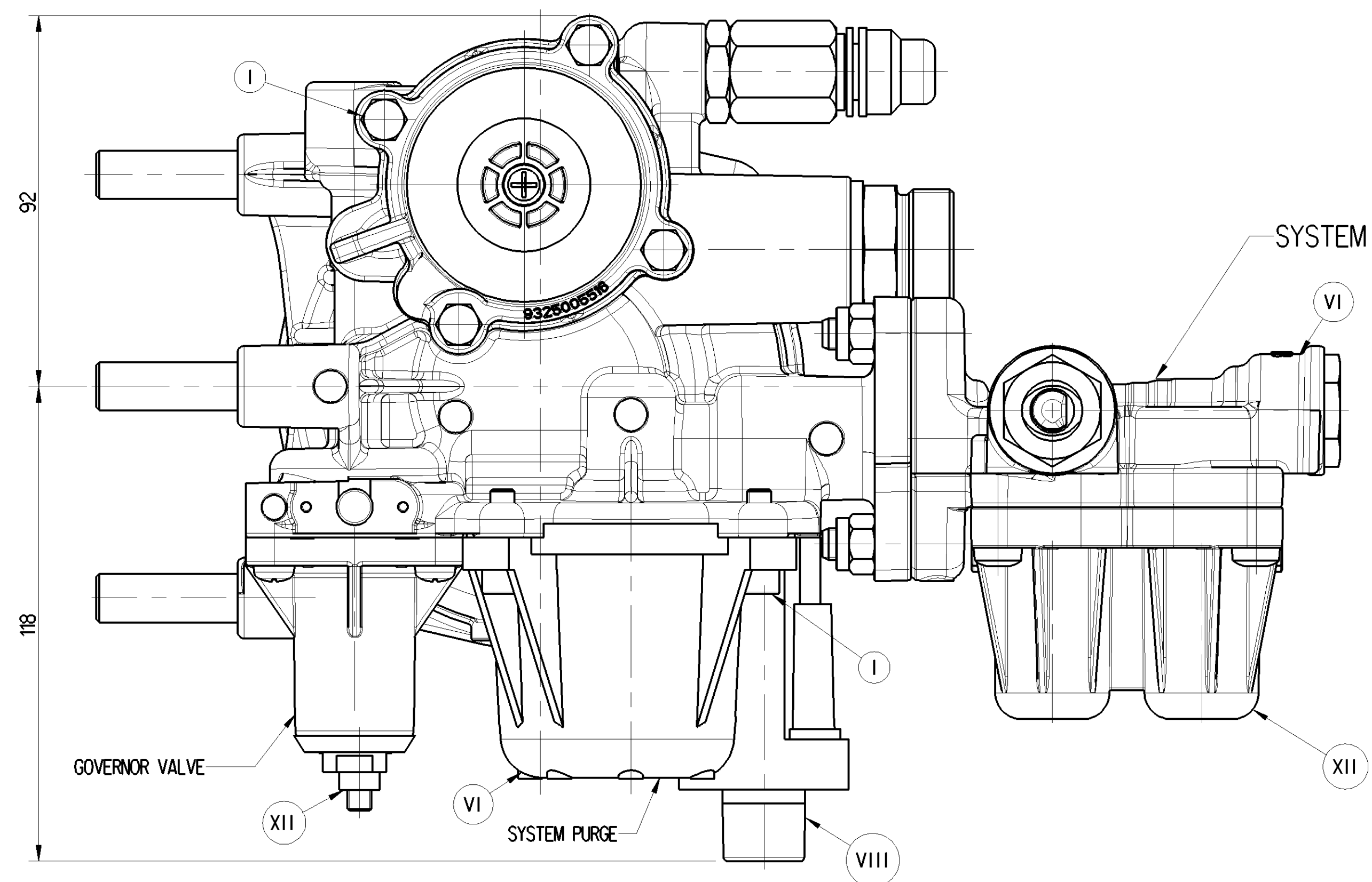
FIGURE U



CIRCUIT DIAGRAM



VIEW P



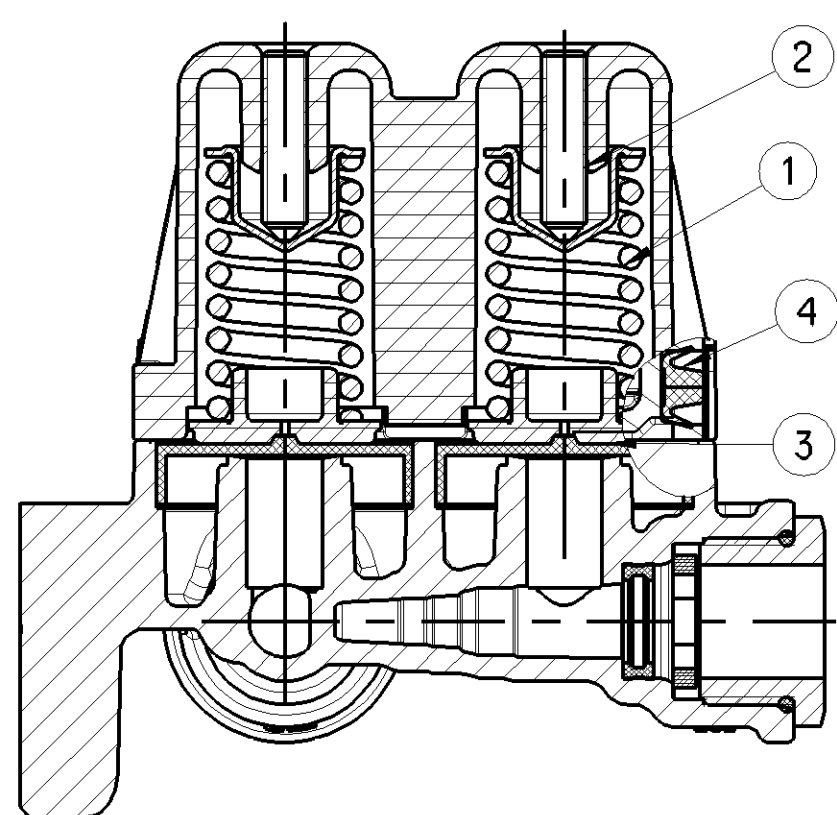
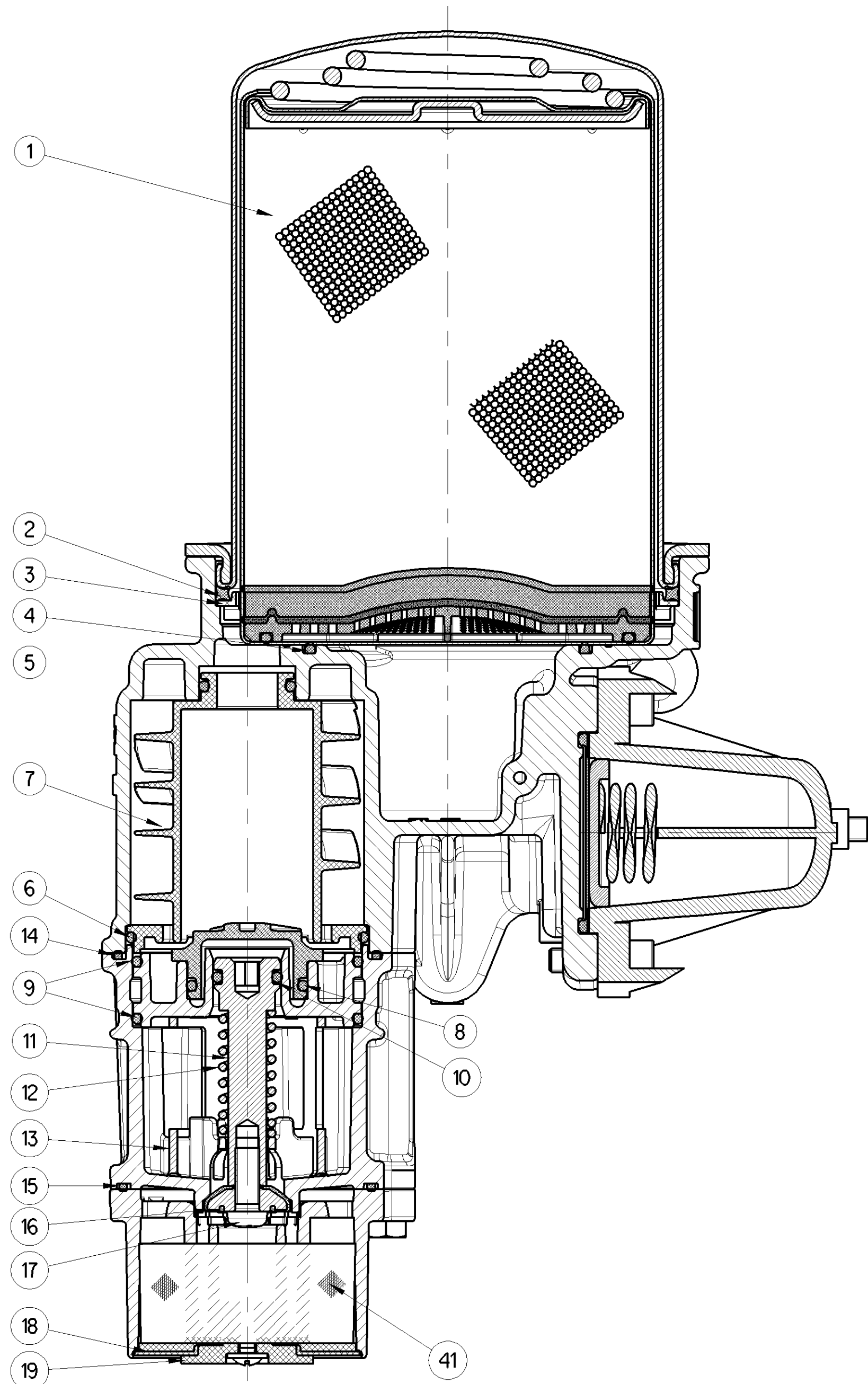
SYSTEM PROTECTION VALVE

- ① INLET CONNECTION. REFER TABLE
- ② DELIVERY CONNECTION M22x1.5
TO SUIT VOSS SYSTEM 230
HEX. 24, TORQUE 10±1 Nm <2>
- ③ MOUNTING STUD M12x1.75
TORQUE 76 Nm <2>
- ④ ASSEMBLY PART No., BATCH No.
AND QR CODE DETAILS ARE
SHOWN HERE

S.No.	NOTES
1	PRODUCT FUNCTION AND RELIABILITY
1.1	WORKING MEDIUM
1.2	BLOW OFF PRESSURE
1.3	NORMAL WORKING PRESSURE
1.4	EQUIVALENT FLOW DIAMETER
1.5	NOISE LEVEL WHEN TESTED AS PER PS 9325000650.....035
1.6	THERMAL RANGE OF APPLICATION
1.7	INSTALLATION POSITION
1.8	PORT LOCATION AND ORIENTATION
1.9	CORROSION RESISTANCE
2	PORT DIMENSIONS ARE GIVEN WITHOUT VOSS 230 SYSTEMS
3	SLIPENER TO BE FITTED TOWARDS GROUND. NO INCLINATION IS PERMITTED
4	ALL PORTS ARE VOSS 230 COMPATIBLE, EXCEPT INLET
5	REGENERATION THROUGH SYSTEM PURGE
6	QUALITY COMPLIANCE TESTS WILL BE CARRIED OUT REGULARLY AS PER CLAUSE No. 16 OF 932 500 065 0.....035
7	SERVICE LIFE TO FIRST OVERHAUL IF FITTED AS PER RECOMMENDED LAYOUT 3 YEARS / 300000km WHICHEVER IS EARLIER FOR TRUCK AND INTERCITY BUS APPLICATION
8	15 YEARS / 1200000km WHICHEVER IS EARLIER FOR CITY BUS APPLICATION
	OPEN PORTS/ MALE THREADS ARE FITTED WITH CLOSURE PLUGS/CLOSURE SLEEVE FOR STORAGE AND TRANSIT PURPOSES

SL.NO	ASSEMBLY NO.	CUSTOMER PART No.	SYSTEM RESERVOIR PRESSURE DURING OUT OUT IN P21 & P22 (bar)	STABLE PRESSURE AFTER PURGING IN P21 & P22 (bar)	PURGE PRESSURE (bar)	OPERATING RANGE (bar)	OUT-OUT PRESSURE LABEL	DYNAMIC OPENING PRESSURE(bar) PORT No.				CLOSING PRESSURE DYNAMIC bar	CLOSING PRESSURE STATIC bar	INLET CONNECTION	APDA FEATURES					
								21	22	23	24				TYRE INFLATOR	HEATER	CONTROL PORT	TURBO CHECK VALVE ASSY	ASP	
1	9325001960	F1100299	10.6±0.3	>9.9	0.7±0.05	1.5±0.2	NO	7.2±0.3	7.2±0.3	7.9±0.3	7.9±0.3	>6.9	Min. 5 Max. 6.6	M30x2, AS PER FIGURE T HEX. 32, TORQUE 60±7 Nm ↺	YES	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	YES	
2	9325002280	F1E02700																		
3	9325002400	F1135600					YES													

Further Specification: ID# 554-1, Size: 12x12x 14x105 L/S Partner Telephone: 063 9350 085 0 Doc. Code: CDO		Copyright holder: _____ Signature: _____ Date: _____ 2021-09-14 Christoph Kohn 2021-09-15 Schul T		WABCO AIR PROCESSING AND DISTRIBUTION UNIT	
General Technicals: ID#-261 Range of Nominal Dimensions (x ± mm) 100 ± 50 800 ± 400 400 ± 400 Class 13 0.5 1.0 1.5 2.0 Medium 2.0 3.0 4.0 5.0 2.0 3.0 5.0 6.5		Schul T Size 5.8 1.1 932 500 196 0 A 0 CREO		Material: _____ Date of order: _____ Language: _____ 005 EN 1/3 507933 tx G 510.WIN	
General notes: _____ General Remarks: _____		_____ _____ _____		_____ _____ _____	



REPAIR KIT NUMBER: 932 500 226 2

ITEM No.	WABCO PART No.	DESCRIPTION	QTY
1	932 500 226 2	DESICCANT CARTRIDGE ASSEMBLY	1

REPAIR KIT NUMBER: 932 500 922 2

ITEM No.	WABCO PART No.	DESCRIPTION	QTY
2	897 090 000 4	RING QUAD	1
3	932 500 5904	SPACER	1
4	897 330 016 4	GASKET	1
5	897 980 304 4	SEALING RING	1
6	897 980 305 4	SEALING RING	1
7	932 500 531 4	FILTER	1
8	897 086 830 4	SEALING RING	2
9	897 980 302 4	SEALING RING	2
10	897 980 151 4	SEALING RING	1
11	932 500 821 4	PLUNGER	1
12	896 070 119 4	COMPRESSION SPRING	1
13	932 500 221 4	FILTER	1
14	932 500 186 4	UPPER GASKET	1
15	897 310 039 4	LOWER GASKET	1
16	899 500 042 2	VALVE	1
17	891 200 014 4	SCREW FULL THREAD	1
18	897 120 026 4	DIAPHRAGM	1
19	932 500 638 4	COVER	1
20	975 303 621 2	DIAPHRAGM ASSEMBLY	1
21	895 070 007 4	SPRING SEAT	1
22	932 500 306 4	SCREW HOLDER	1
23	897 120 028 4	DIAPHRAGM	1
24	810 208 016 4	SETTING SCREW	1
25	897 980 162 4	SEALING RING	1
26	897 132 168 4	PURGE DIAPHRAGM	1
27	899 506 895 4	VALVE BODY	1
28	899 506 894 2	VALVE	1
29	899 041 930 4	COMPRESSION SPRING	1
30	432 413 040 4	CAP	1
31	897 770 580 4	SEALING RING	1
32	432 413 152 4	GUIDE	1
33	810 518 025 4	RETAINING RING	1
34	895 370 002 4	VALVE STOP & SPRING RETAINER	1
35	896 050 014 4	CONICAL COMPRESSION SPRING	1
36	899 500 037 4	VALVE	1
37	897 980 084 4	SEALING RING	1
38	932 500 530 4	NOISE SUPPRESSOR	1
39	899 322 526 4	FILTER	1
40	897 080 300 4	SEALING RING	1
41	932 500 220 4	MESH	1
42	M919910	GREASE SACHET	2

REPAIR KIT NUMBER: 300003130 (MSP 3/130)

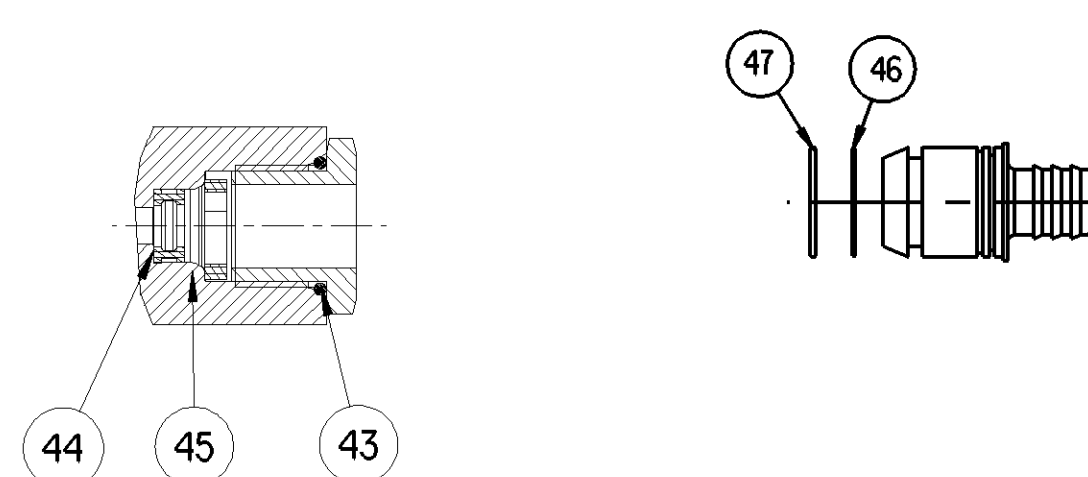
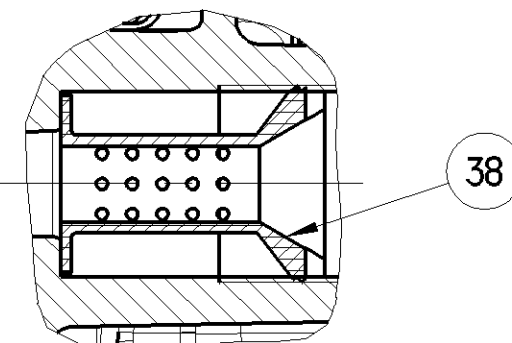
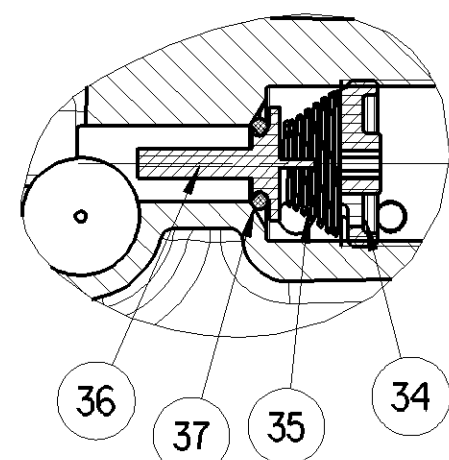
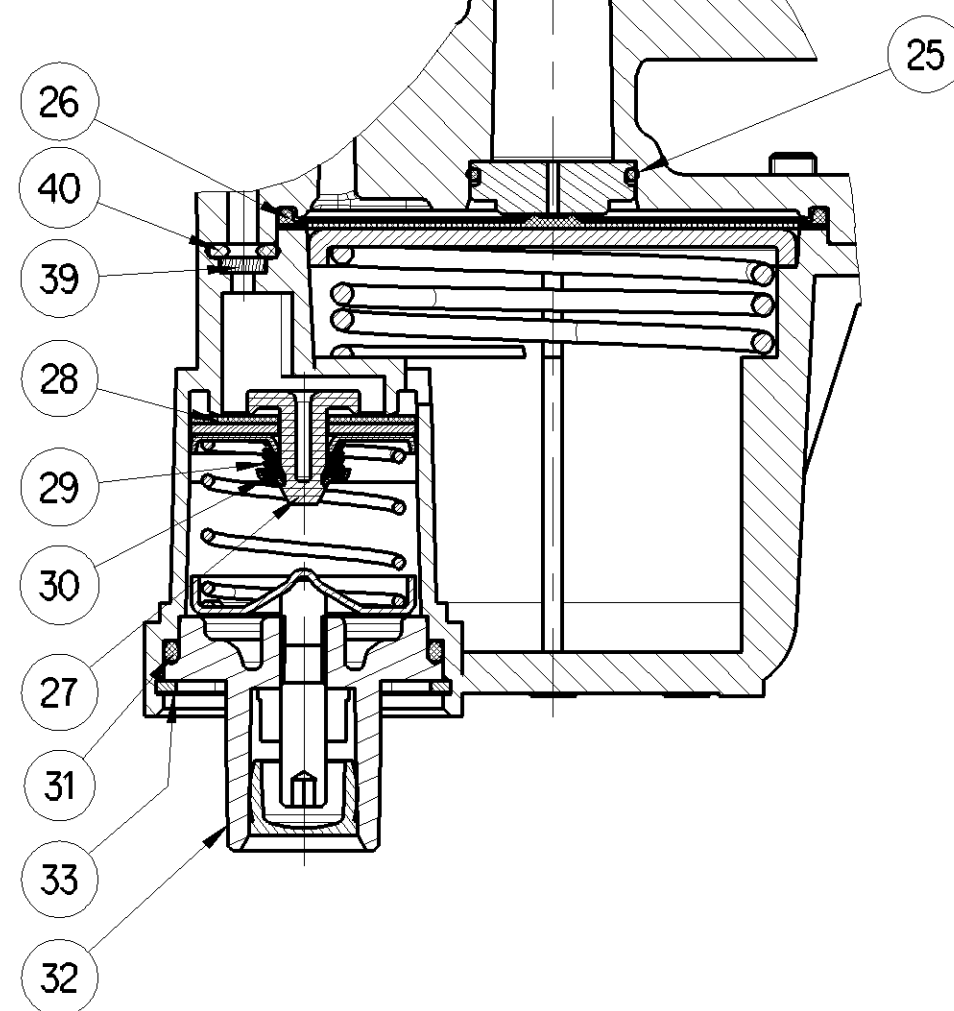
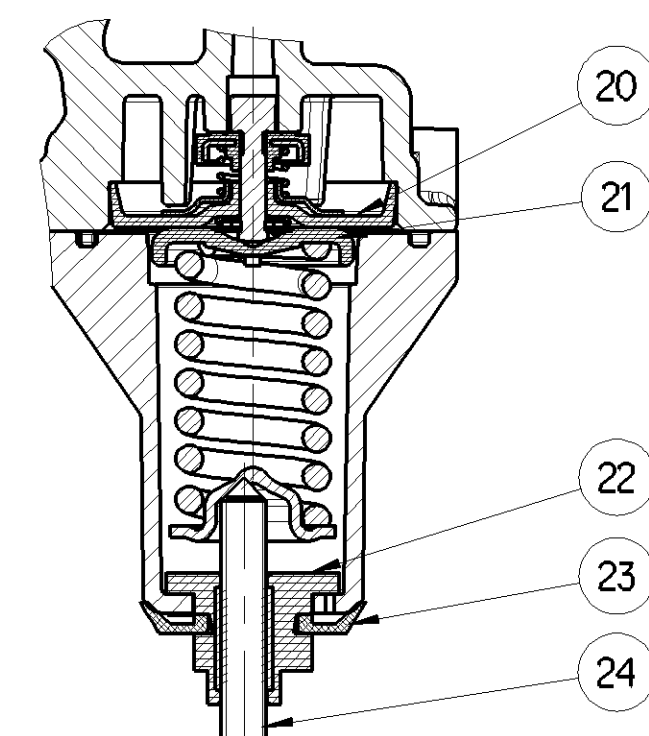
ITEM No.	WABCO PART No.	DESCRIPTION	QTY
43	893 220 427 2	PRESSURE SCREW	1
44	895 370 004 4	SPRING RETAINER	1
45	895 226 697 4	RETAINING RING	1
46	897 980 153 4	SEALING RING NG-12	1
47	897 980 146 4	SEALING RING NG-12	1

KIT PART NUMBER DETAILS:

APDA MAJOR KIT 932 500 922 2 HAVING ITEM 2 TO 42 ...1 NOS

VOSS NG12 MAJOR KIT MSP 3/130 HAVING ITEM 43 TO 47 ...4 NOS

ITEM NUMBER 42- GREASE SACHET M919910 IS NOT SHOWN IN DRAWING



General Specification: 432-534-1, Size 150, 14405 LP		Copyright WABCO®		WABCO	
Further Technical Data		Date: 2021-09-14		Signature: Christoph	
Doc. Code: 432-534-1		Sheets: 1		To: 2021-09-14	
General Tolerances (in mm)		Range of Nominal Dimensions (in mm)		Sheet: 1	
Class 11		± 0.50		± 0.50	
Fine		0.5		1.0	
Medium		1.0		2.0	
Coarse		2.0		3.5	
Tapped holes acc.		5.0		6.5	
Tolerance Class (Applet: Dimension)		5.0		6.5	
A 0		CREO		507593	
Revision		1x		G	
Date of first issue		2018-09-18		Sheet	
005		EN		2/3	
AIR PROCESSING AND DISTRIBUTION UNIT		Replacement for		-	

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Configuration Control Table

Lfd. Nr.	Rev./ DCN-No.	Datum	WABCO- Aenderungsangaben Beschreibung der Aenderung / Begrueundung	Einfluss-termin (Jahr/KW)	DC ZGS Auftr. Nr.
A	182604	18-12-24	Pressure selling table updoled -System reservoir pressure during cutout in 21 & 22 9.6+0.3 was 9.5+0.3 -Purge pressure drop in reservoir after cutout pressure 0.6+0.1 was 0.4+0.1 -Pressure differential 1.5±0.2 was 1.3±0.2 bar	51/18	005
B	501441	19-05-16	In 9325001960 Inlet connection M30X2 was M26x1.5 Repair kit added New variant 9325002280 with Inlet connection M22x1.5 added	20/19	005
C	503556	20-01-20	Cut out pressure selling changed 9.6+0.3 bar to 10.6 bar Quick responsible code label added.	03/20	005
D	504261	20-03-06	Initial cutout pressure offset removed in tabel, Stud length tolerance added	10/20	005
E	505382	29-08-05	New variant 9325002400 added, Repair kit part no added Customer Interface Characteristics added	32/20	005
F	505733	20-11-10	GDC body replaced by PDC body and upper housing body replaced for manufacturability and productivity.	50/20	005
G	507593	21-09-14	Tyre Inflator assembly replaced	37/21	005

			COPYRIGHT			WABCO AIR PROCESSING AND DISTRIBUTION UNIT		
			Approval Level	DATE	NAME			
507593	G	2021-09-14	Compiler	2021-09-14	Christosolomon			
505733	F	2020-11-10	2	2021-09-14	Sahul Hameed			
505382	E	2020-08-05	3					
504261	D	2020-03-20	4			PRODUCT IDENTIFICATION NO. DOC. CODE Page		
503556	C	2019-12-24	TRI					
DCN-NO.	Revision	DATE	5110_WIN		932 500 196 0	091	3/3	