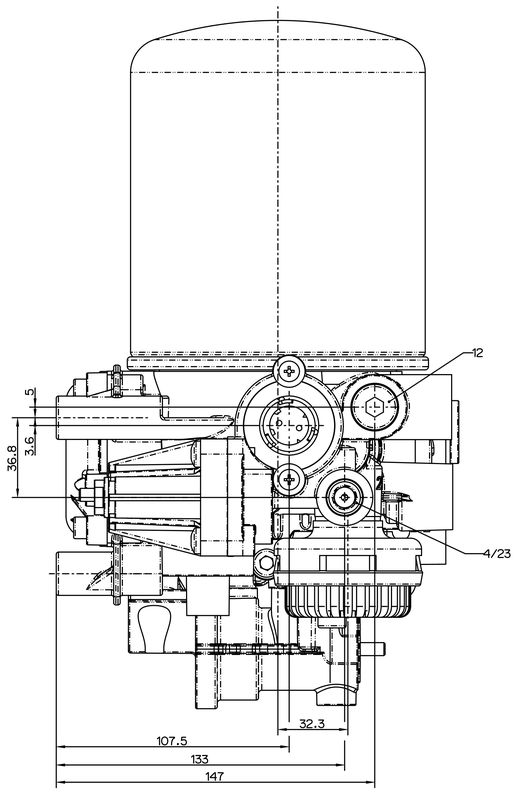

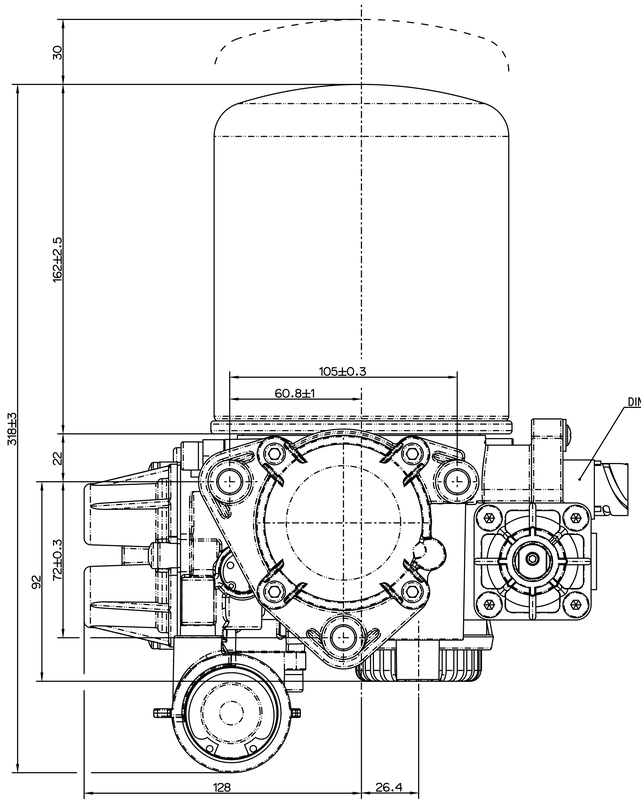

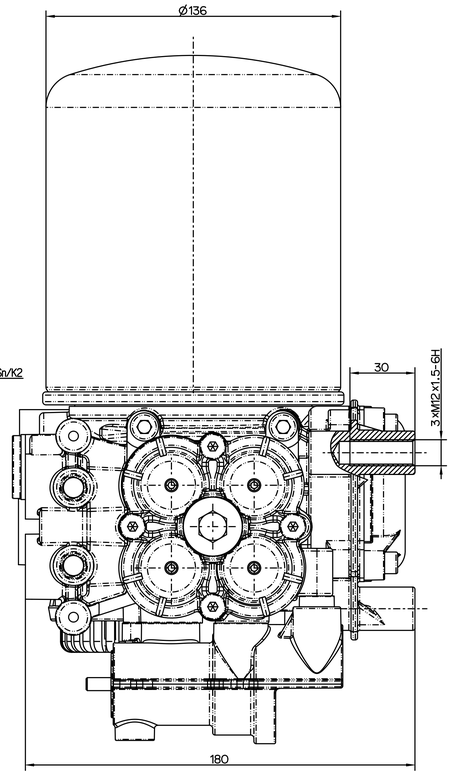

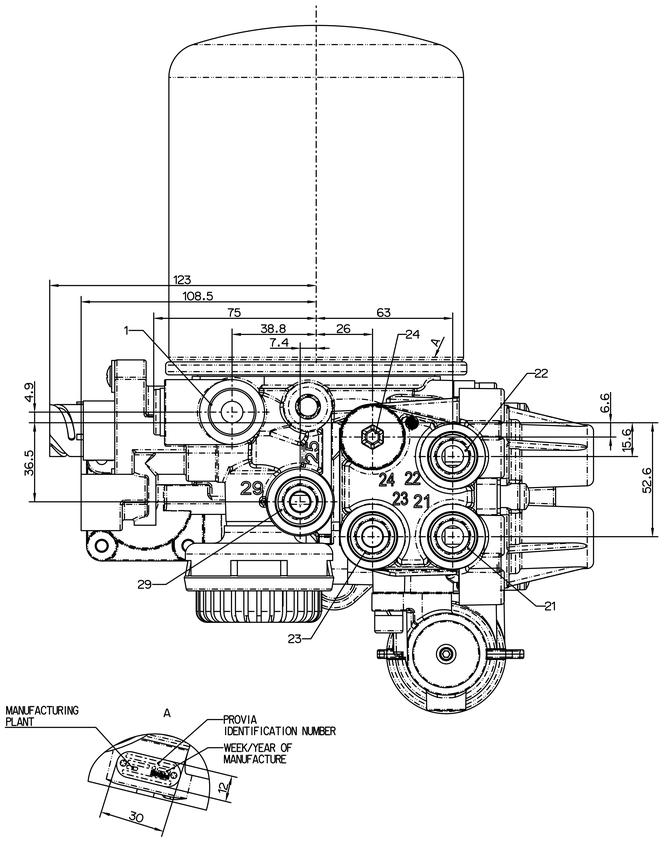

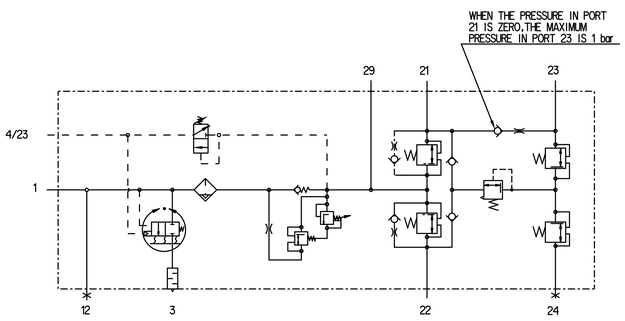

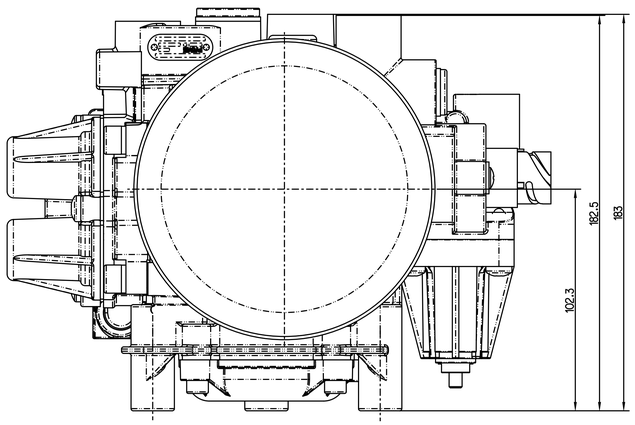

CIRCUIT TECHNICAL PARAMETERS (BAR)				
CONNECTING PORT	21	22	23	24
OPENING PRESSURE	$6.5^{0}_{-0.3}$ (COMPLETELY OPEN)	$6.5^{0}_{-0.3}$ (COMPLETELY OPEN)	$7.0^{0}_{-0.3}$	$6.5^{0}_{-0.3}$
STATIC CLOSING PRESSURE	0	≥4.5	0	≥4.5
	≥4.5	0	≥4.5	≥4.5
	≥4.5	≥4.5	0	≥4.5
	≥4.5	≥4.5	≥4.5	0
LIMITING PRESSURE			8.5±0.2	

REMARKS:WHEN PORTS 21,22 ARE BY PASS INLET PORTS,THE OPENING PRESSURE IN PORTS 21 AND 22 IS ZERO

TECHNICAL DATA

1.WORKING MEDIUM: COMPRESSED AIR

2.MAXIMUM WORKING PRESSURE:Pe MAX.=13bar

3.CUT OUT PRESSURE:10.8±0.2 bar

4.OPERATING RANGE:$1.0^{+0.6}_{0}$bar

5.DYNAMIC PRESSURE OF SAFETY VALVE:13.0^{+4}_{0} bar

⚠ 6.BACK FLOW LIMITING VALVE:0.57±0.12bar

7.THERMAL RANGE OF CONTINUOUS APPLICATION:-40°C...+65°C

8.RESISTANCE TO HEAT:+80°MAX

9.HEATING VOLTAGE: 24V. CUT-IN TEMPERATURE:7±6°C
CUT-OFF TEMPERATURE: 29.5±3°C

10.THE OTHER TECHNICAL SPECIFICATIONS MEET WITH QC/T37QC/T996

AIR PROCESSING UNIT		
PORT	FUNCTION	THREAD
1	AIR COMPRESSOR INLET PORT	M22X1.5
12	EXTRA AIR INLET PORT	M16x1.5 (BLOCK)
21	FROM AIR OUTLET TO BACK SHAFT OF SERVICE CIRCUIT	M22X1.5VOSS NG12
22	FROM AIR OUTLET TO FRONT AXLE OF SERVICE CIRCUIT	M22X1.5VOSS NG12
23	FROM AIR OUTLET TO PARKING CIRCUIT	M22x1.5VOSS NG12
24	FROM AIR OUTLET TO AUXILIARY CIRCUIT	M22x1.5VOSS NG12(BLOCK)
3	AIR OUTLET	
4/23	CONTROLLING PORT THAT IS CONNECTED WITH AIR COMPRESSOR	M16x1.5VOSS NG8
29	FROM AIR INLET TO AIR SUSPENSION	M22x1.5VOSS

General Specification: ISO 8015, JED-334-1, Size ISO 14405 LP
Further Technical Data-Product Specification
Doc., Code: 0.135 Sheet: 1 To 12
General Tolerances JED-261

Class 1)	Range of Nominal Dimensions (in mm) ≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400
Fine	±0.5	±1.0	±1.5	±2
Medium X	±1	±2	±3	±4
Coarse	±2	±3.5	±5	±6.5

Tapped Holes acc. JED-368
1) Tolerance Class Applied, Crossmarked

Copyright ZF*

Date	Signature
Drawn 2025-11-25	Pawlowski
Checked 2025-11-25	Pakula

Dimensions in mm

Provia

AIR PROCESSING UNIT

Mass	Scale	Material No.	Date of first issue: 2023-07-20
6.1 kg	1:1	PRO 501 213 0	Doc.Code: 005 Language: EN Sheet: 1/1
Size A 0	CAD System CREO	ECN-No. 521646 Revision 1 x A Techn. Resp. 5110_AM	Replacement for -

100mm

Data Communication by reproduction or by document, how exploitation or communication to any others over and above, your authorized purposes, is not permitted unless expressly authorized. Violations oblige to damages. All rights reserved in the event of the grant of a patent or registration of a utility model or design. We reserve the right of use and disposal. Diese Unterlage ist urheberrechtlich geschützt. Jede Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit keine ausdrückliche schriftliche Zustimmung vorliegt. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte vorbehalten. Wir behalten uns das Recht der Nutzung und Verfügung vor.