

ASSEMBLY PROCEDURE

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

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

(c) 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.

DELIVERY PRESSURE  $P_2$  bar

CONTROL PRESSURE  $P_1$  bar

CRACK PRESSURE  $\leq 0.4$  bar

CRACK PRESSURE IS DIFFERENCE BETWEEN CONTROL AND DELIVERY PRESSURE MEASURED AT DELIVERY PRESSURE OF 0.137 bar

PRESSURE CHANGE RATE 0.137 bar/sec AS PER SAE J1859

RES

DEL

WABCO

CONTROL CONNECTION (REFER TABLE)

A/F 19

IX

VII

VII

IX

A/F 24 2 PLACES

XII

DELIVERY CONNECTION 2 (REFER TABLE)

RESERVOIR CONNECTION (REFER TABLE)

EXHAUST

DELIVERY CONNECTION 1 (REFER TABLE)

Ø55.75

88.5 (B)

45

50

9

19

38

2x Ø8.8±0.2 THROUGH

7.7

65

134.2

Ø17.15±0.20

M16 x 1.5

Ø14.57±0.075

Ø10.67±0.075

2.3±0.3

12.0±0.5

Ø9.94±0.075

3.2 Rmax. 2.5

0.1 A

0.1 A

16.0±0.3

6.65±0.05

DETAILS OF PORT MACHINING FOR M16x1.5

DETAILS OF PORT MACHINING FOR M22x1.5

VIEW P

NAME PLATE MARKING DETAIL

LETTER SIZE 1.6 mm

DATE AND YEAR OF MANUFACTURE SHOWN HERE

DAIMLER PART No. WITH REVISION No. SHOWN HERE

ASSEMBLY PART No. SHOWN HERE

FIG Z

OTHER DIMENSION REFER BASIC DRAWING

CONTROL CONNECTION (REFER TABLE)

IX

DELIVERY CONNECTION 2 (REFER TABLE)

RESERVOIR CONNECTION (REFER TABLE)

DELIVERY CONNECTION 1 (REFER TABLE)

RES

FIG Z

OTHER DIMENSION REFER BASIC DRAWING

PART No.

RESERVOIR CONNECTION

DELIVERY CONNECTION 1

DELIVERY CONNECTION 2

CONTROL CONNECTION

FIG. REFERENCE

\*WEIGHT (Kg)

DAIMLER PART No./ REVISION No.

9732981320

M22x1.5 TO SUIT VOSS PLUG IN SYSTEMS 230. TORQUE 10±1 Nm.

M22x1.5 TO SUIT VOSS PLUG IN SYSTEMS 230. TORQUE 10±1 Nm.

M22x1.5 PLUGGED TORQUE 10±1 Nm.

M16x1.5 TO SUIT VOSS PLUG IN SYSTEMS 230. TORQUE 10±1 Nm.

BASIC DRAWING

0.62

(B)

A4004292444/002

(B)

9732981330

M22x1.5 TO SUIT VOSS PLUG IN SYSTEMS 230. TORQUE 10±1 Nm.

BLOCKED AS CAST (B)

M22x1.5 TO SUIT VOSS PLUG IN SYSTEMS 230. TORQUE 10±1 Nm.

M16x1.5 TO SUIT VOSS PLUG IN SYSTEMS 230. TORQUE 10±1 Nm.

FIG Z

0.62

(B)

A4004292144/002

(B)

Sl. No

TECHNICAL DATA

1 WORKING MEDIUM AIR

2 THERMAL RANGE OF APPLICATION -40°C TO +80°C

3 NORMAL WORKING PRESSURE 10 bar

4 MAXIMUM WORKING PRESSURE 13 bar

5 NOISE LEVEL AT EXHAUST 72 dBA MAXIMUM

6 EQUIVALENT FLOW DIAMETER 10 mm

7 CORROSION RESISTANCE 240 HOURS OF NSS

8 INSTALLATION POSITION REFER FIGURE U

9 QUALITY COMPLIANCE PLAN ARE CONDUCTED REGULARLY AS PER CLAUSE No. 15 OF PS 973 298 100 0

10 SERVICE LIFE TO FIRST OVERHAUL 3 YEARS/300000 KM WHICHEVER IS EARLIER IF FITTED AS PER RECOMMENDED LAYOUT

11 OPEN PORTS ARE FITTED WITH CLOSURE PLUGS FOR STORAGE AND TRANSIT PURPOSES

DESCRIPTION

M22x1.5 VOSS PART No.

M16x1.5 VOSS PART No.

MALE FITTING 00 62 03 99 00

00 62 02 99 00

RETAINER CLIP 00 62 01 90 00

00 62 00 90 00

SPRING ELEMENT 00 62 05 99 00

00 62 04 99 00

1. RESERVOIR PORT

2. DELIVERY PORT

3. EXHAUST

4. CONTROL PORT

SCHEMATIC DIAGRAM

PERMISSIBLE INSTALLATION POSITION

FIGURE U

SIGNIFICANT CHARACTERISTICS (≥0x)

General Specifications JED-334-0

Further Technical Data: 973 298 100 0

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Class 1

1

CREO

166433

8

5220\_WIN

Replacement for

100mm