



PRODUCT STANDARD
TURBINES & COMPRESSORS
HYDERABAD

TC 5 2508

Rev. No. 08

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STANDARDISED DRY GAS SEAL HOUSING DIMENSIONS

VAR No.	DESCRIPTION
01	DGS DIA 80 MCL/BCL300 SERIES
02	DGS DIA 97 MCL/BCL400 SERIES
03	DGS DIA 112 MCL/BCL400 SERIES
04	DGS DIA 112 BCL400/A HIGH PRESSURE SERIES
05	DGS DIA 132 BCL400/A HIGH PRESSURE SERIES
06	DGS DIA 150 MCL/BCL500 SERIES
07	DGS DIA 180 MCL/BCL600 SERIES
08	DGS DIA 180 MCL/BCL600 SERIES (NP DESIGN) (END MOUNTED BRG DESIGN)
09	DGS DIA 97XP BCL300/A HIGH PRESSURE SERIES
10	DGS DIA 180XP BCL500/N HIGH PRESSURE SERIES
11	DGS DIA 132 BCL400/A HIGH PRESSURE SERIES (END MOUNTED BRG DESIGN)
12	DGS DIA 97 BCL400 SERIES (END MOUNTED BRG DESIGN)
13	DGS DIA 80 BCL300 SERIES (END MOUNTED BRG DESIGN)
14	DGS DIA 112 BCL300/A & BCL400 SERIES (END MOUNTED BRG DESIGN)
15	DGS DIA 180 MCL 800 SERIES WITH CATRIDGE DESIGN
16	DGS DIA 142 BCL 500 SERIES (END MOUNTED BRG DESIGN)
17	DGS DIA 160 MCL/BCL500 SERIES

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Revisions :
Refer to record of revisions

Prepared :
SUGUNA

Approved :
YVRL

Date :
08.03.2012

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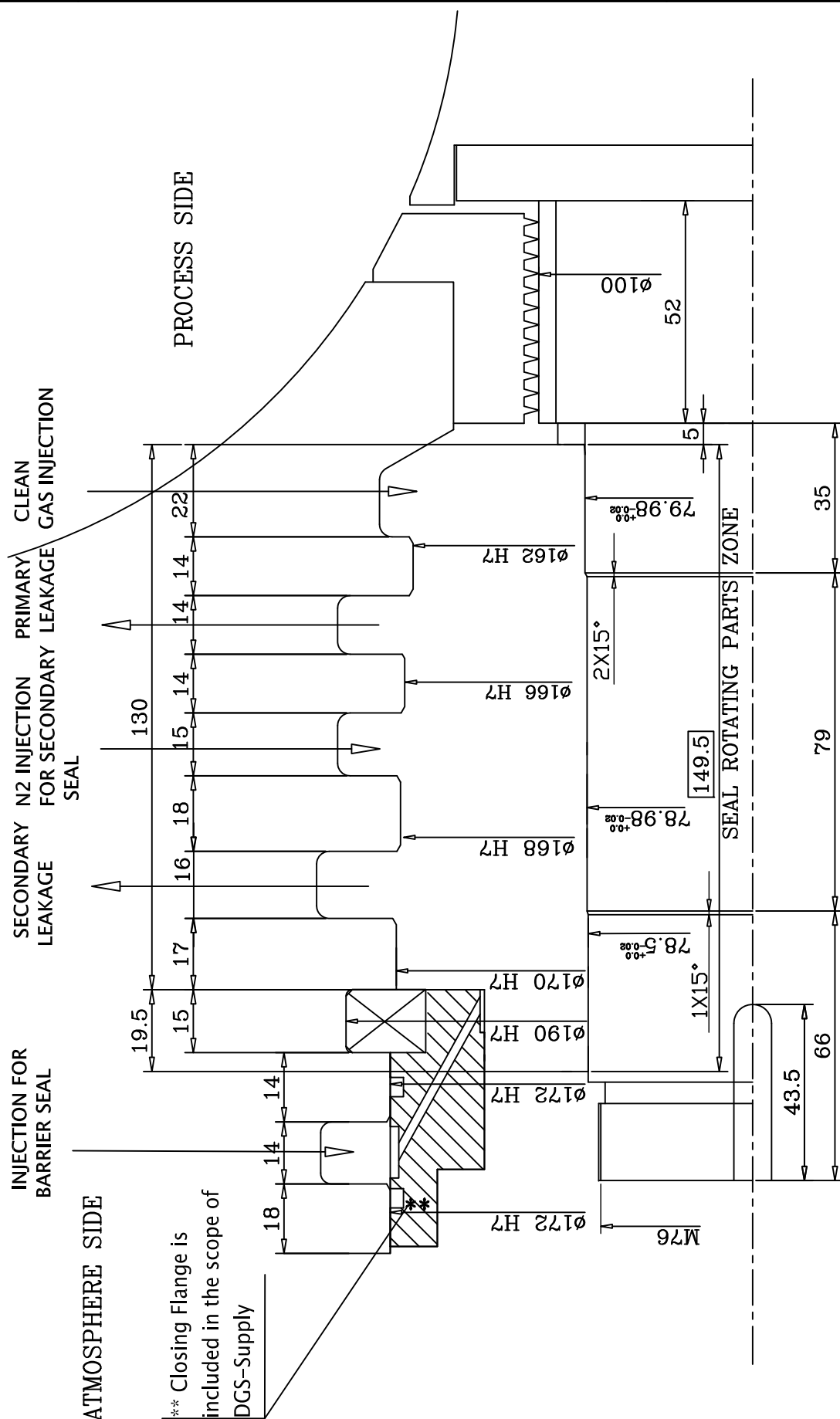
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EDGS HOUSING DETAILS OF COMPRESSOR (SEAL DIA Ø80) MCL/BCL300 SERIES VAR 01



**** Closing Flange is included in the scope of DGS-Supply**

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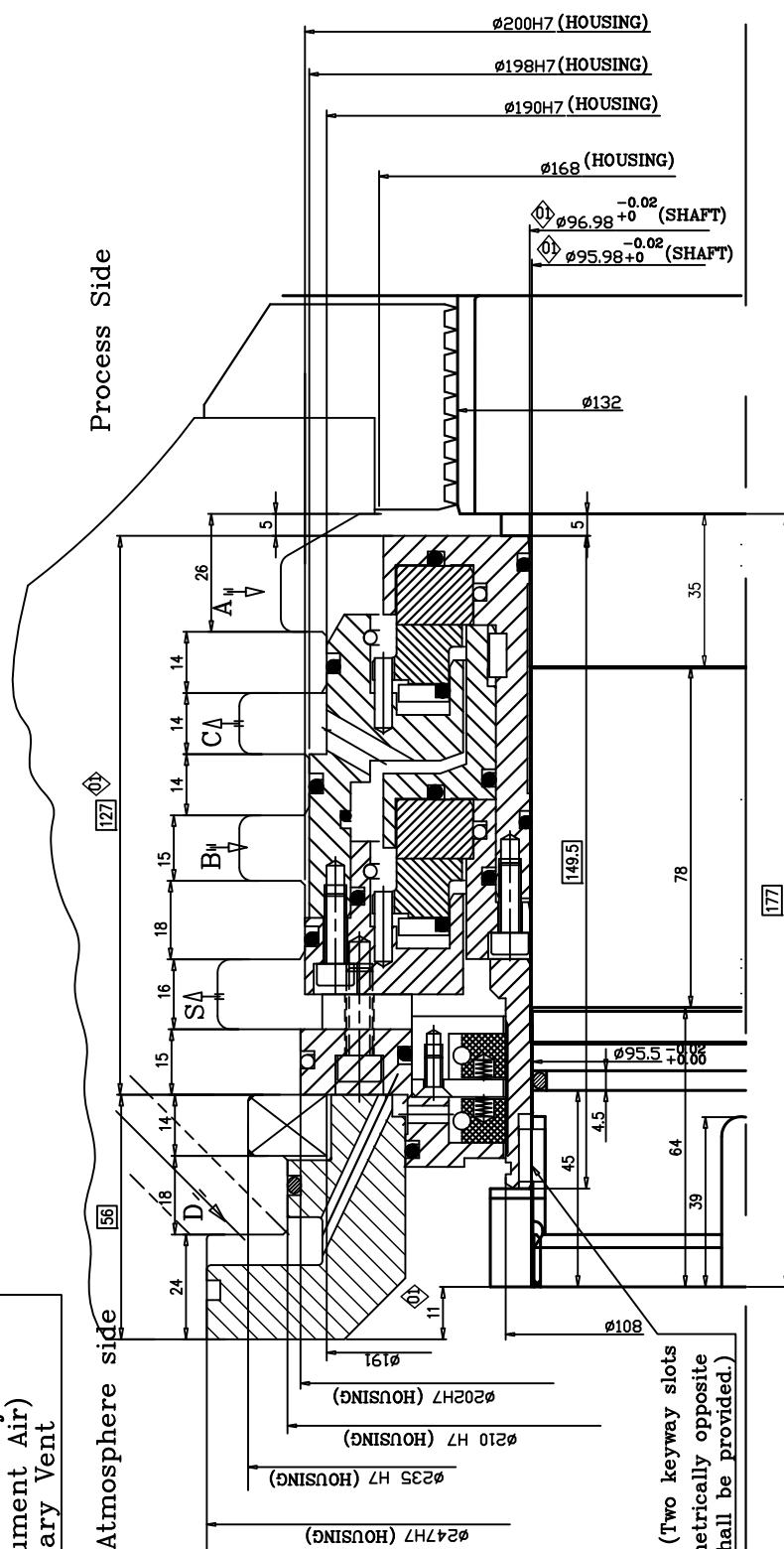
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RDGS HOUSING DETAILS OF COMPRESSOR (SEAL DIA Ø97) MCL/BCL400 SERIES VAR 02

A= Clean Gas Inlet
B= Secondary Injection(N2)
C= Primary Vent
D= Barrier Seal Injection
(Instrument Air)
S= Secondary Vent



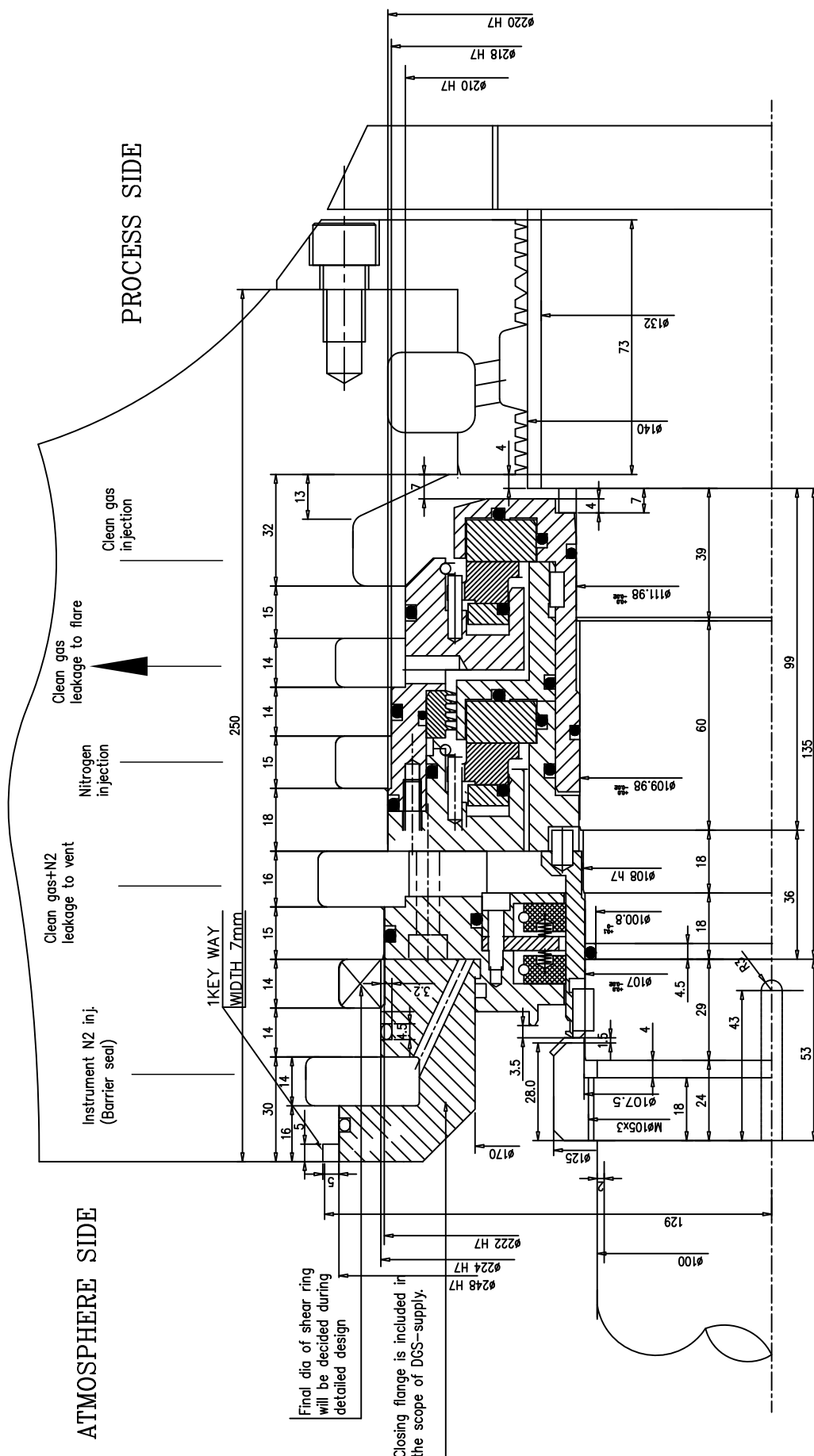
(Two keyway slots
diametrically opposite
shall be provided.)

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EDGS HOUSING DETAILS OF COMPRESSOR (SEAL DIA Ø112) MCL/BCL400 SERIES VAR 03



Final dia of shear ring will be decided during detailed design

Closing flange is included in the scope of DGS-supply.



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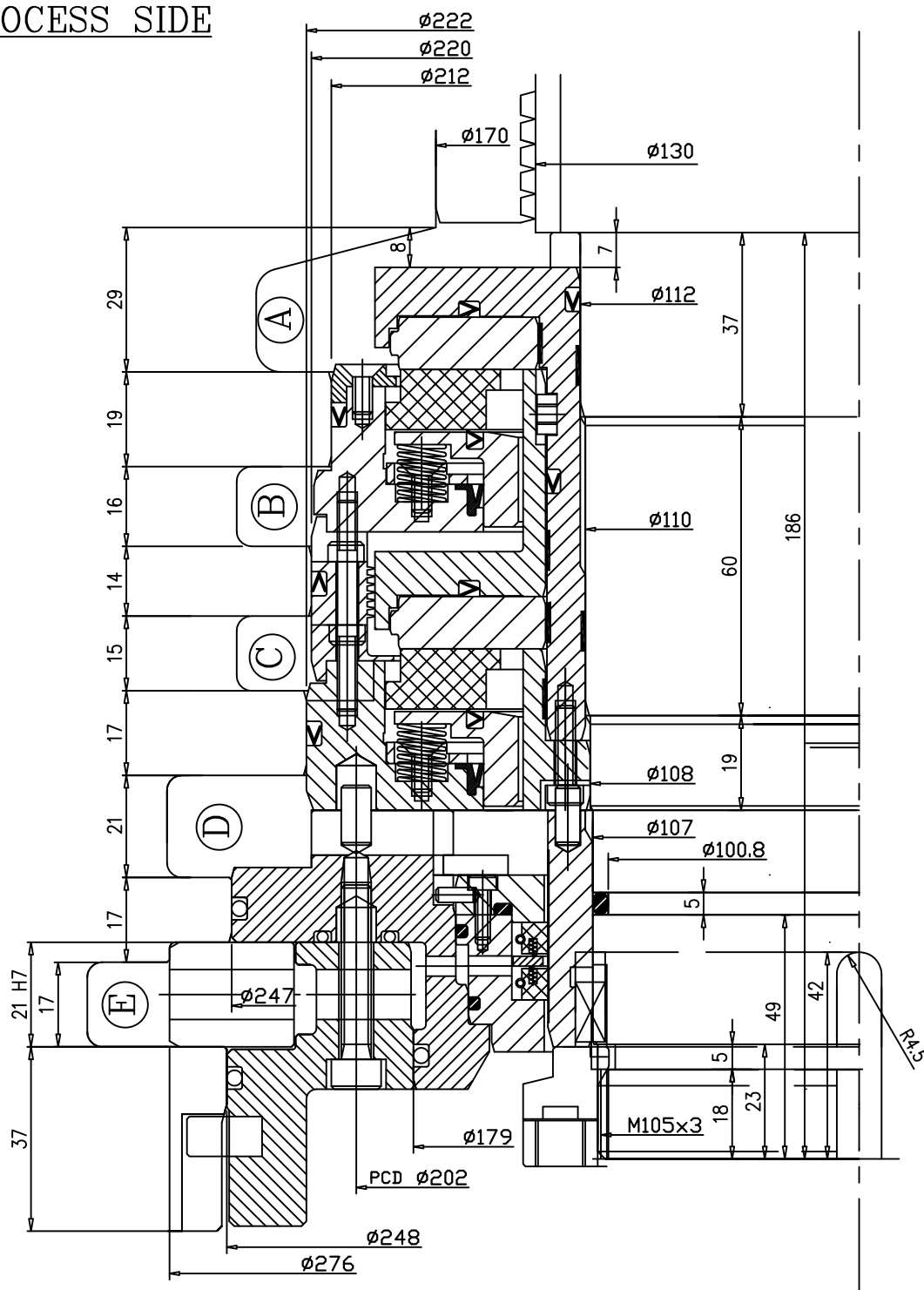
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DESIGNS HOUSING DETAILS OF COMPRESSOR

SEAL DIA Ø112 FOR HIGH PRESSURE BCL400/A SERIES) VAR 04

PROCESS SIDE



ATMOSPHERE SIDE

- (A) CLEAN GAS INJECTION
 (B) PRIMARY LEAKAGE
 (C) N₂ INJECTION FOR SECONDARY SEAL
 (D) SECONDARY LEAKAGE
 (E) INJECTION FOR BARRIER SEAL

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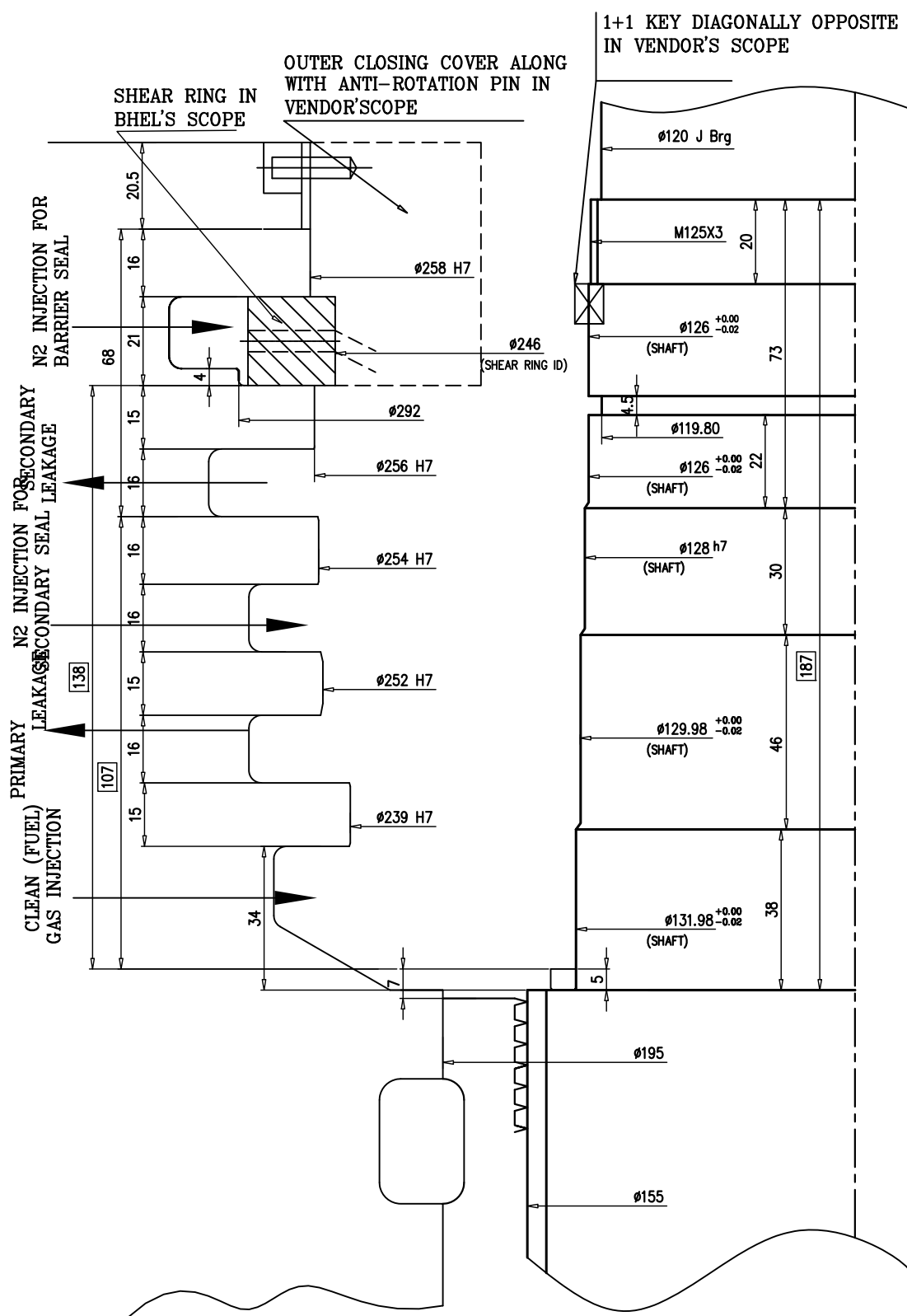
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GDGS HOUSING DETAILS OF COMPRESSOR

(SEAL DIA Ø132 HIGH PRESSURE BCL400/A SERIES) VAR 05





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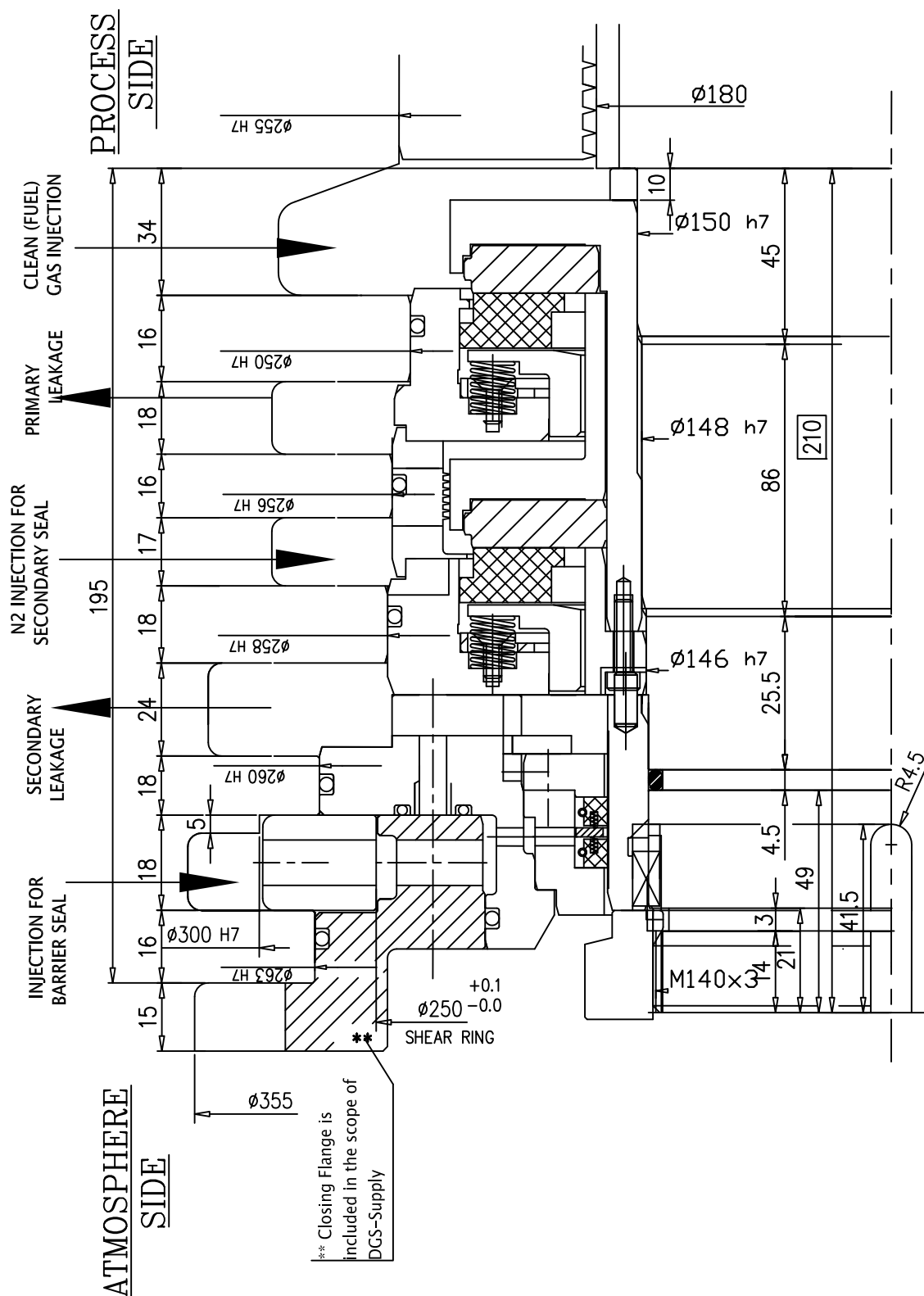
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DGS HOUSING DETAILS OF COMPRESSOR

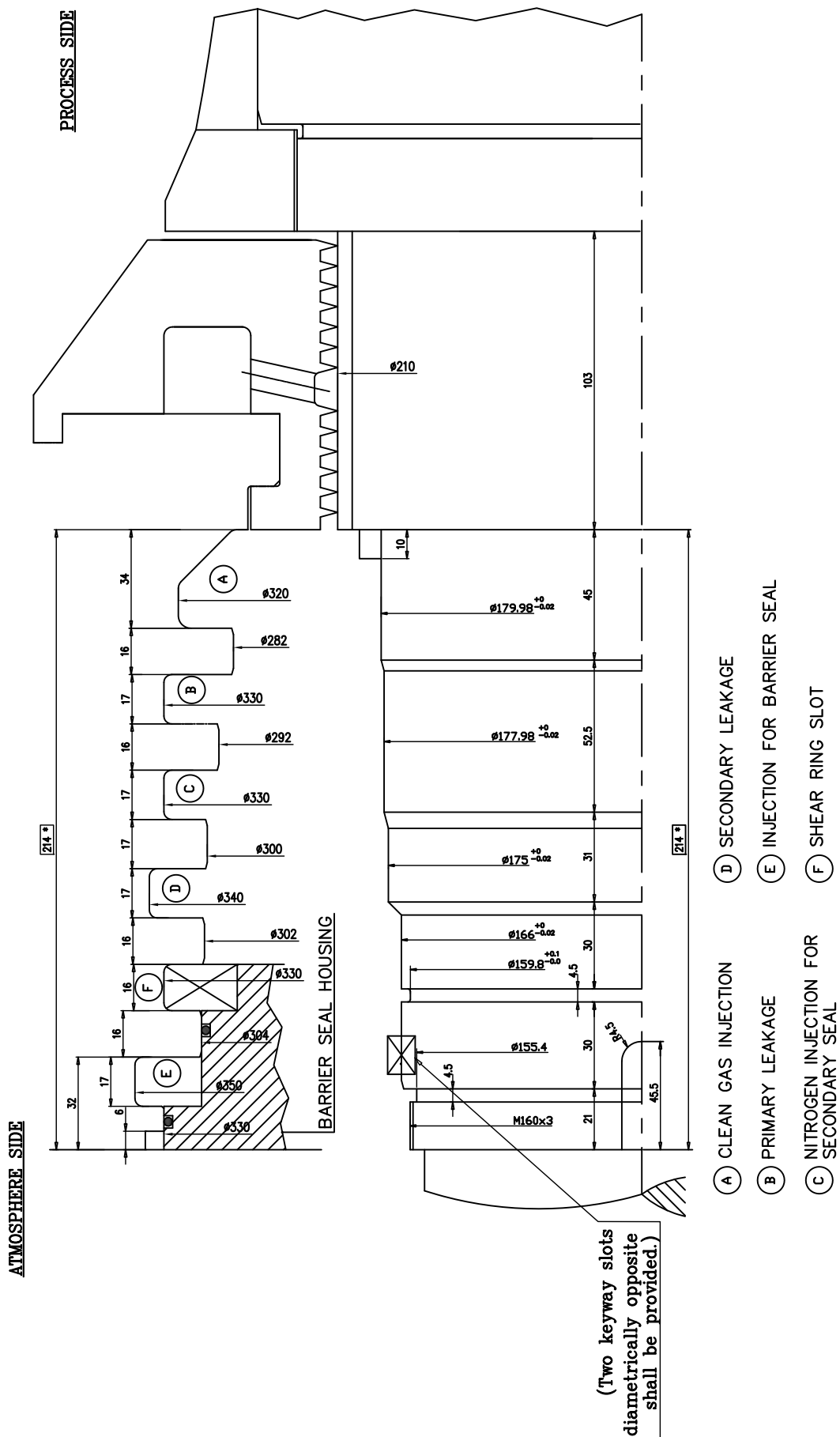
(SEAL DIA Ø150 MCL/BCL500 SERIES) VAR 06

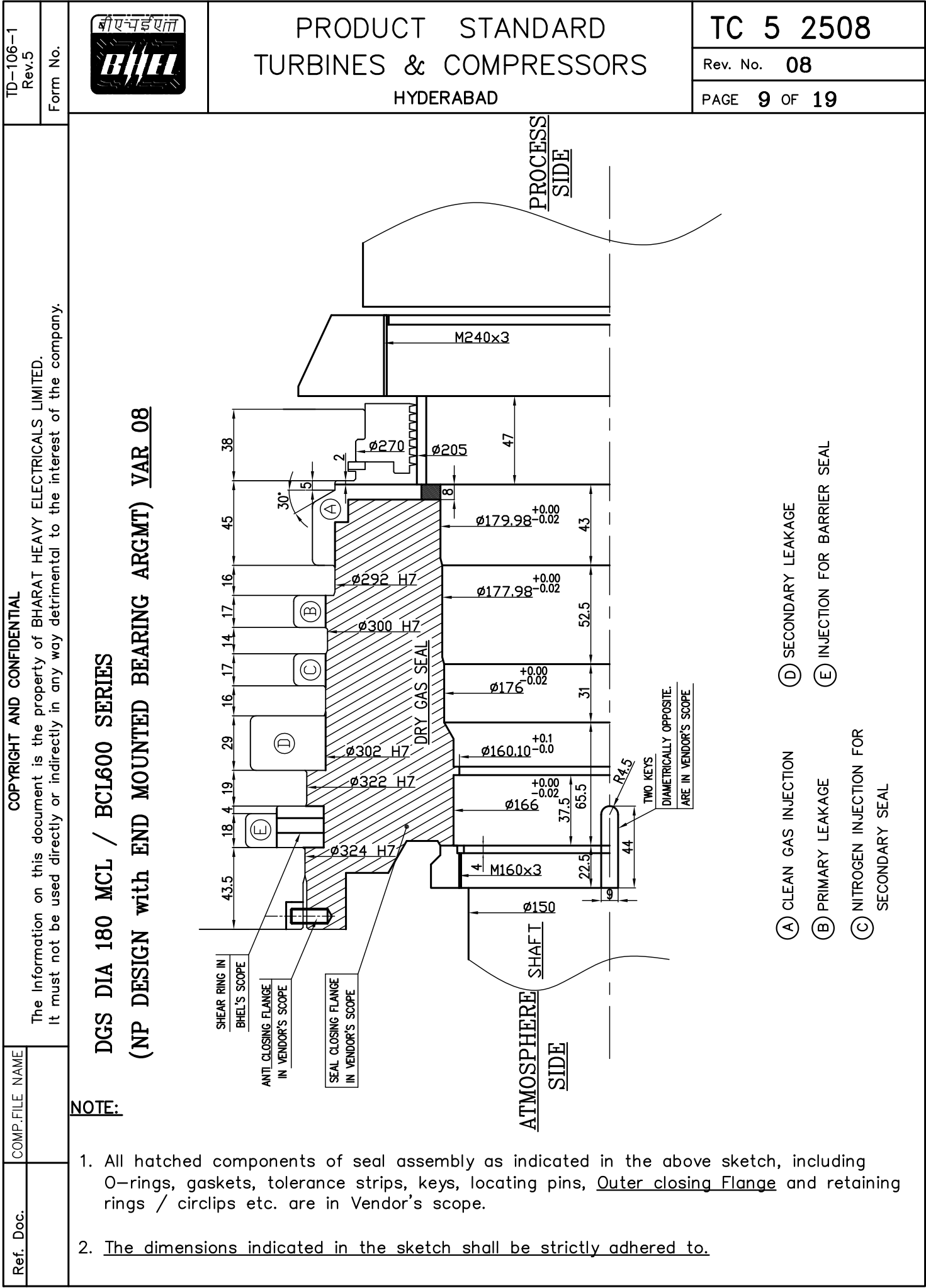


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GDGS HOUSING DETAILS OF COMPRESSOR
(SEAL DIA ϕ 180 MCL/BCL600 SERIES) VAR-07





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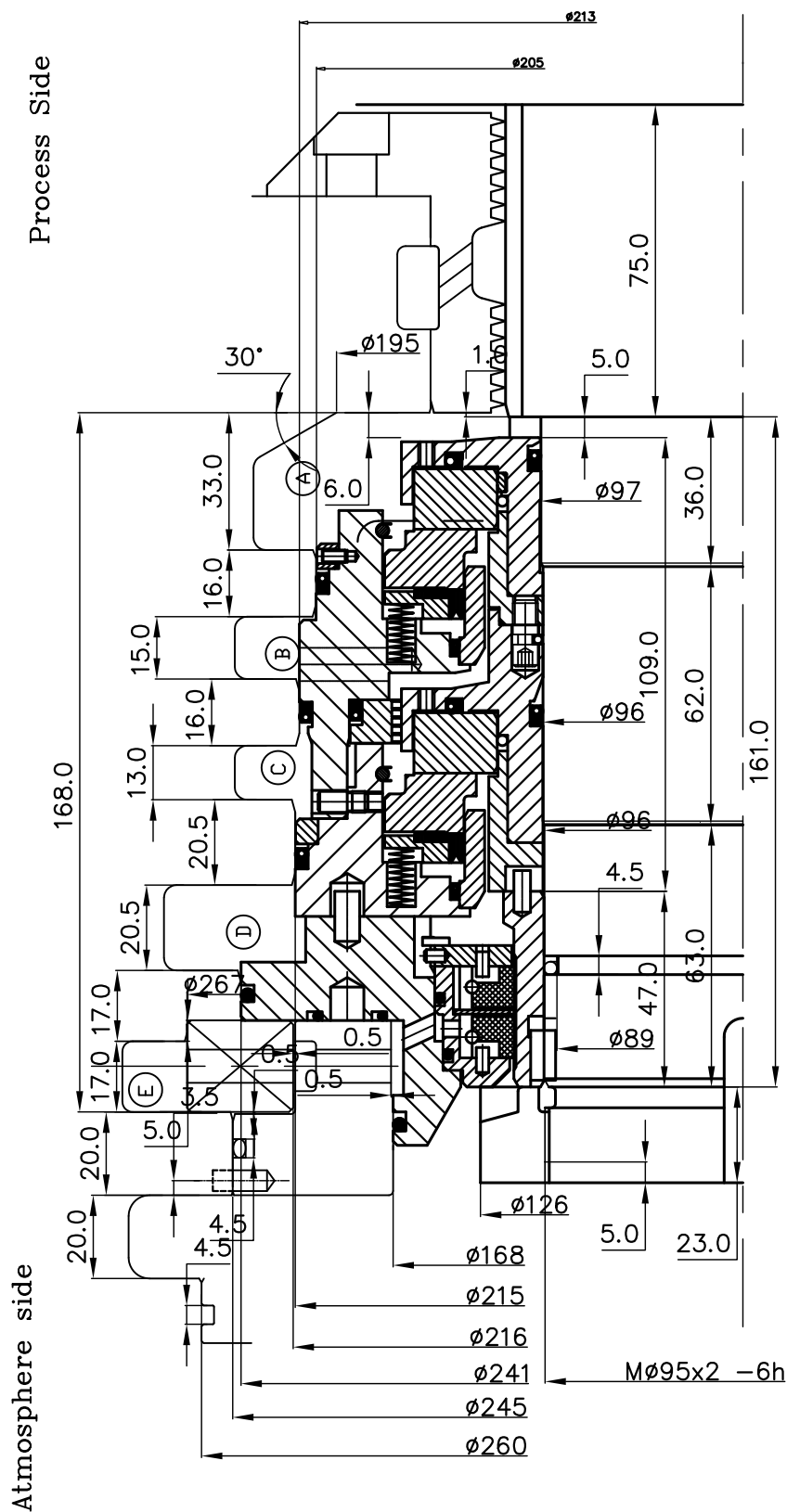
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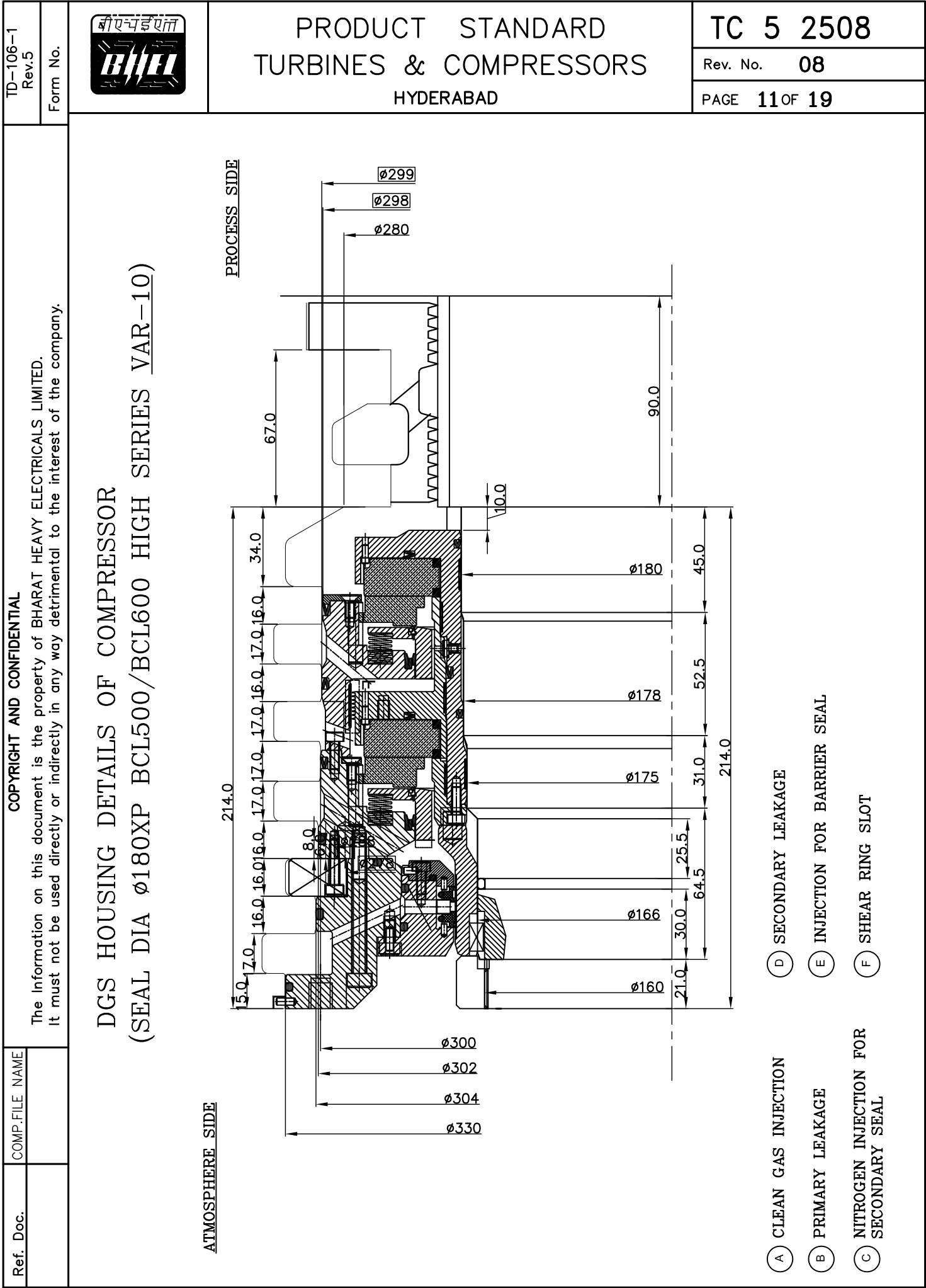
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DGS HOUSING DETAILS OF COMPRESSOR (SEAL DIA 97XP)
FOR BCL400/A HIGH PRESSURE SERIES VAR 09



- A= Clean Gas Inlet
B= Secondary Injection(N2)
C= Primary Vent
D= Barrier Seal Injection
(Instrument Air)
S= Secondary Vent





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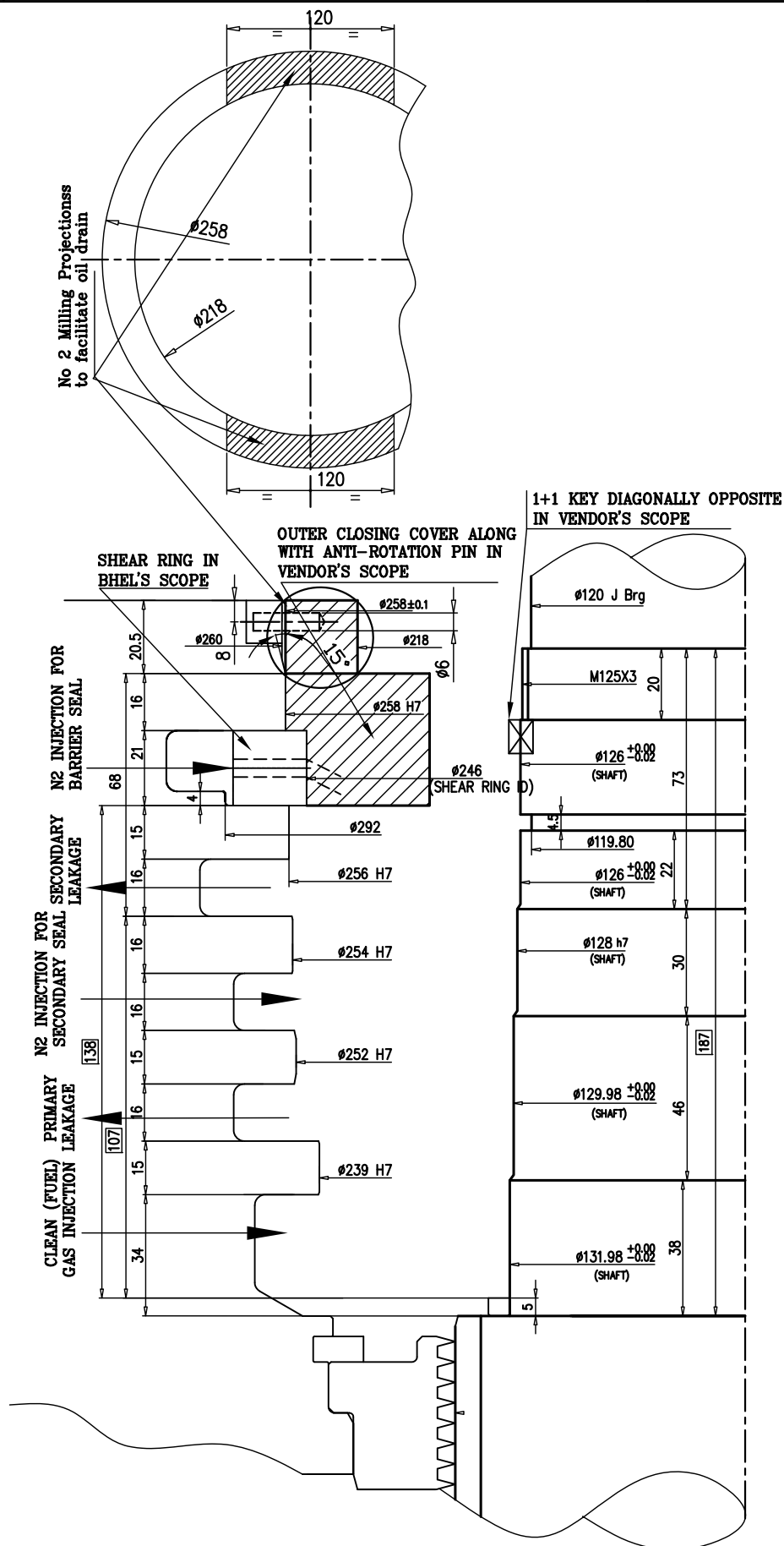
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DGS HOUSING DETAILS OF COMPRESSOR

**DDGS DIA 132 BCL400/A HIGH PRESSURE SERIES
(END MOUNTED BRG DESIGN)**

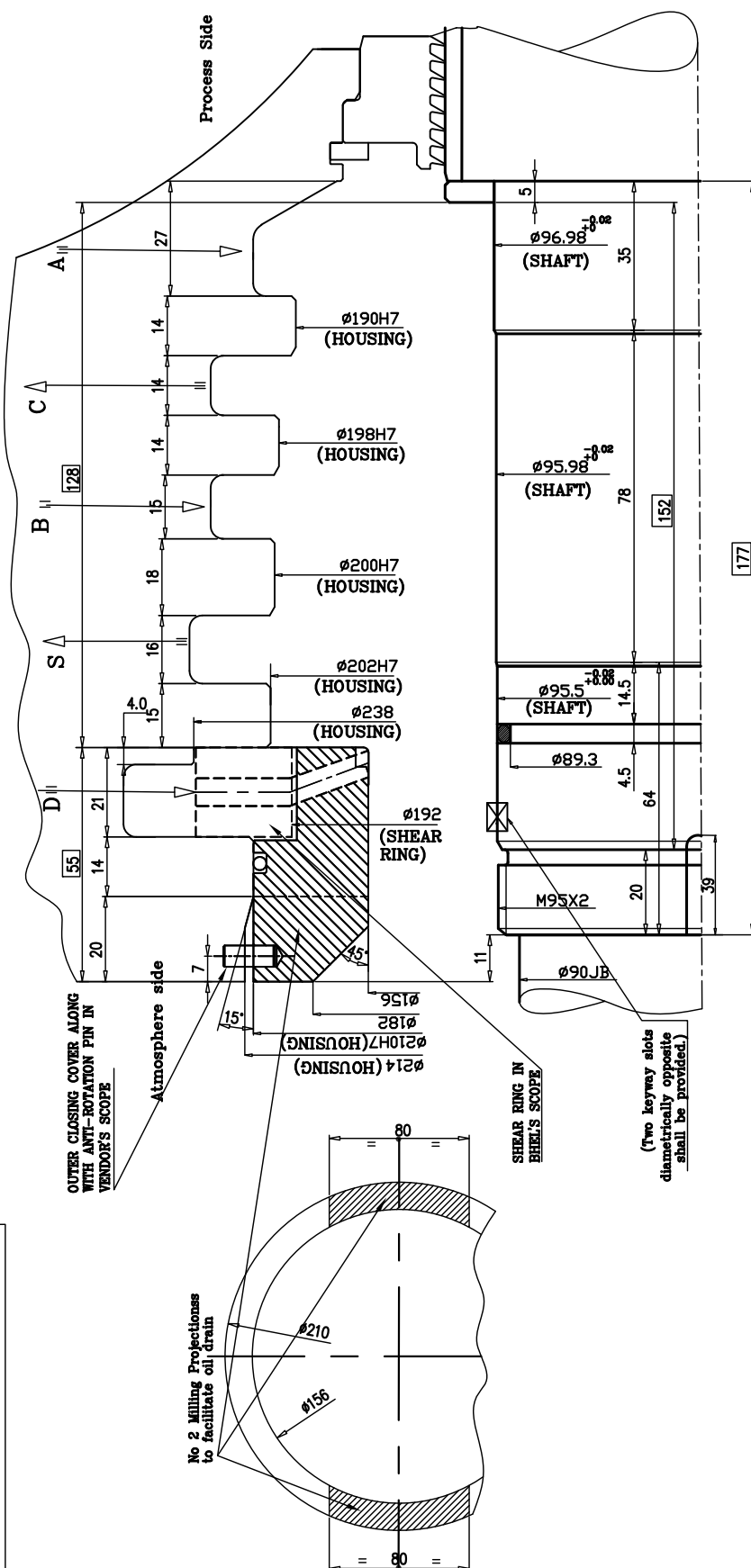


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DCS HOUSING DETAILS OF COMPRESSOR (DGS DIA 97) BCL400 SERIES VAR 12
(END MOUNTED BRG DESIGN)

- A= Clean Gas Inlet
B= Secondary Injection
C= Primary Vent
D= Barrier Seal Injection
S= Secondary Vent



(Two keyway slots diametrically opposite shall be provided.)

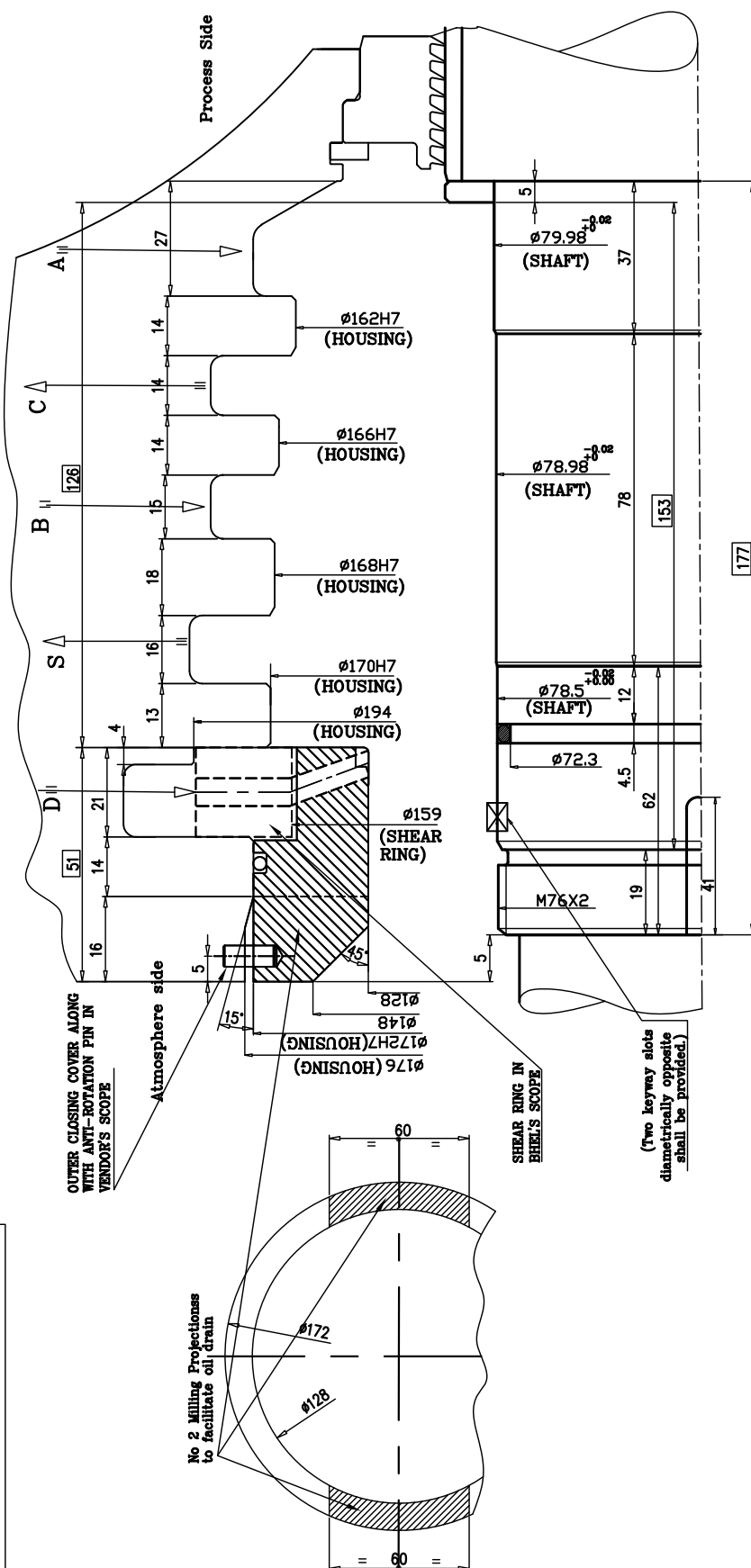
No 2 Milling Projectionss
to facilitate oil drain

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DGS HOUSING DETAILS OF COMPRESSOR (DGS DIA 80) BCL300 SERIES VAR 13
(END MOUNTED BRG DESIGN)

- A= Clean Gas Inlet
B= Secondary Injection
C= Primary Vent
D= Barrier Seal Injection
S= Secondary Vent



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DGS HOUSING DETAILS OF COMPRESSOR

DGS DIA 112 BCL300/A & BCL400 SERIES VAR NO.14
(END MOUNTED BRG DESIGN)

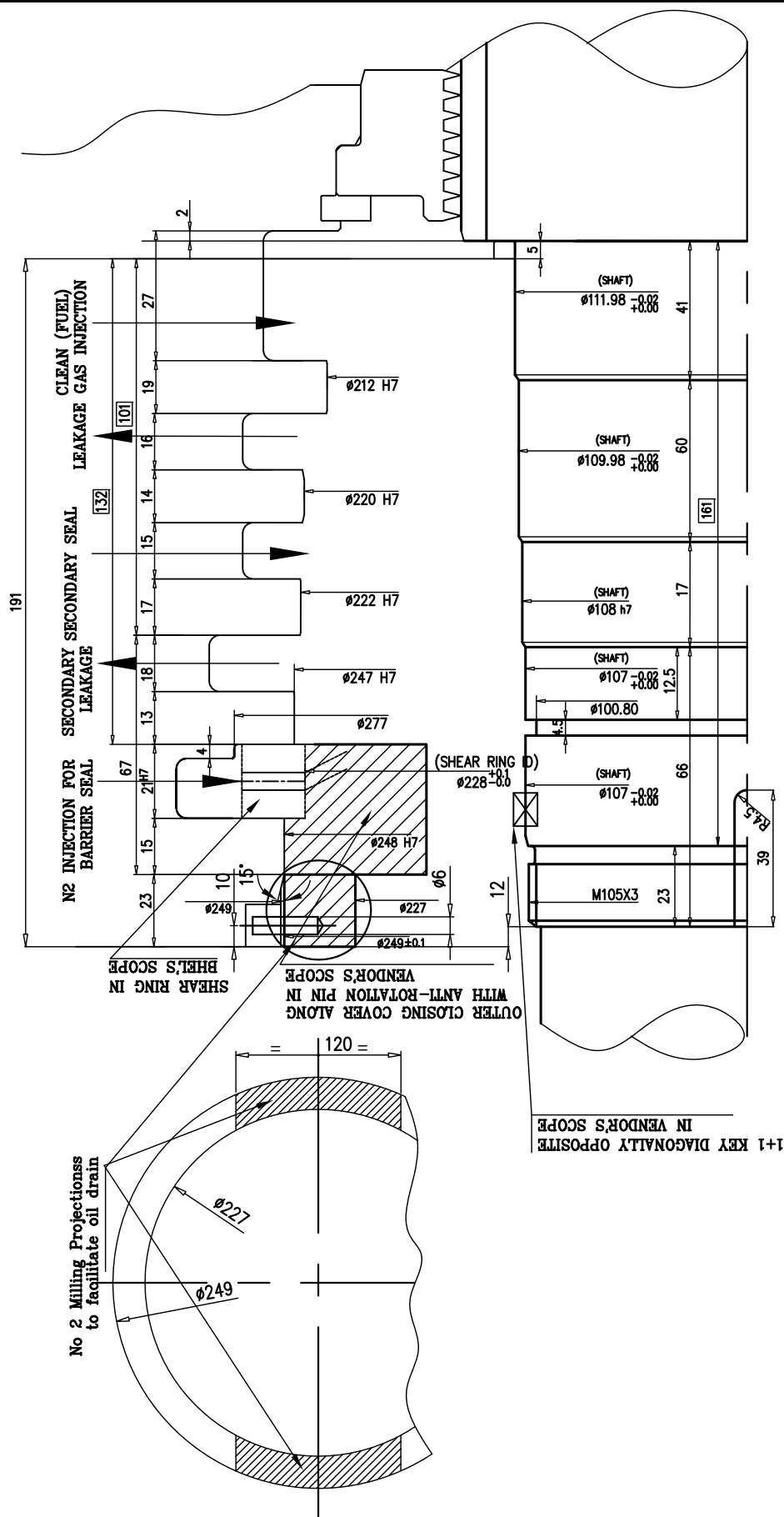


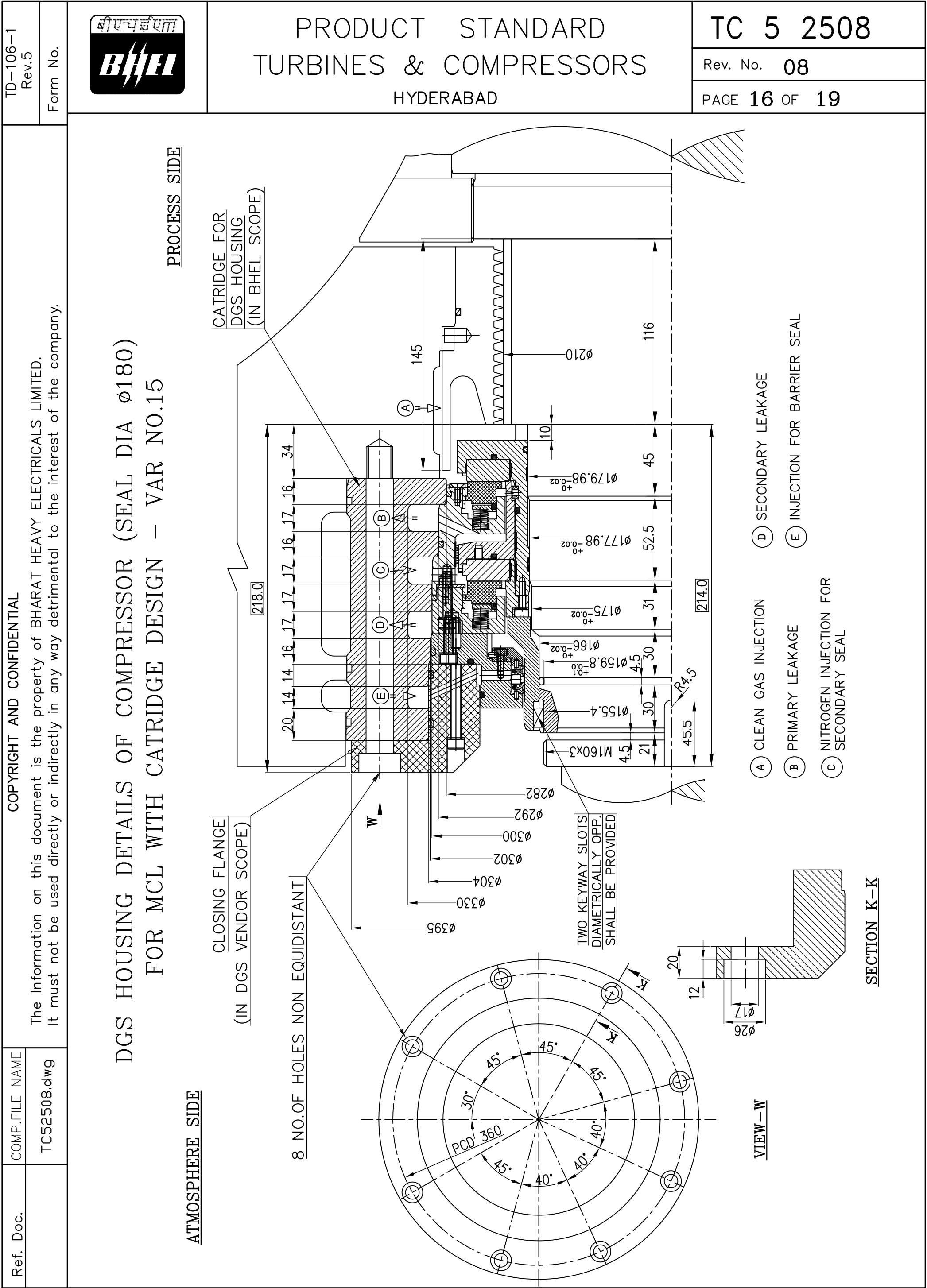
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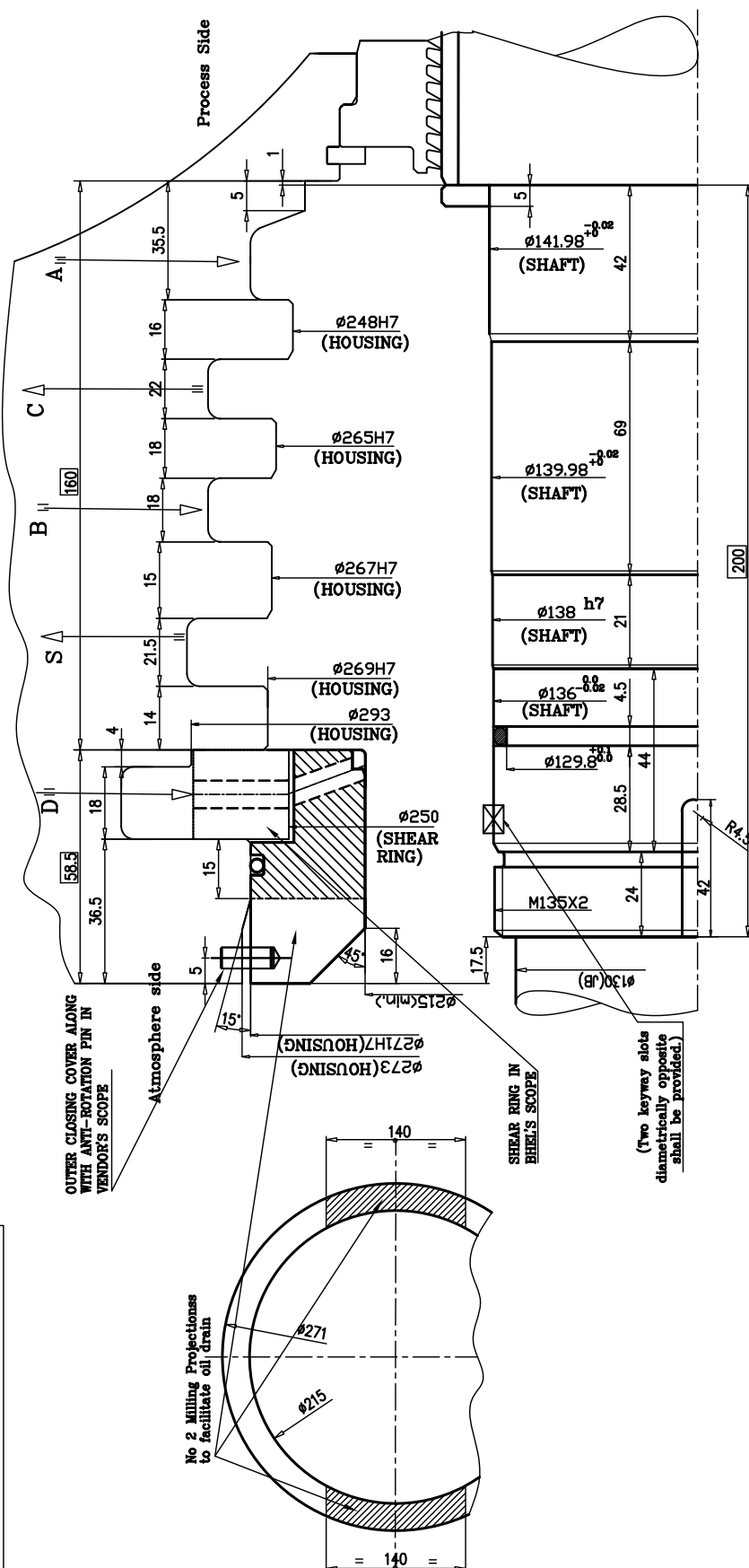


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DGS HOUSING DETAILS OF COMPRESSOR (DGS DIA 142) BCL500 SERIES VAR.16
(END MOUNTED BRG DESIGN)

- A= Clean Gas Inlet
B= Secondary Injection
C= Primary Vent
D= Barrier Seal Injection
S= Secondary Vent





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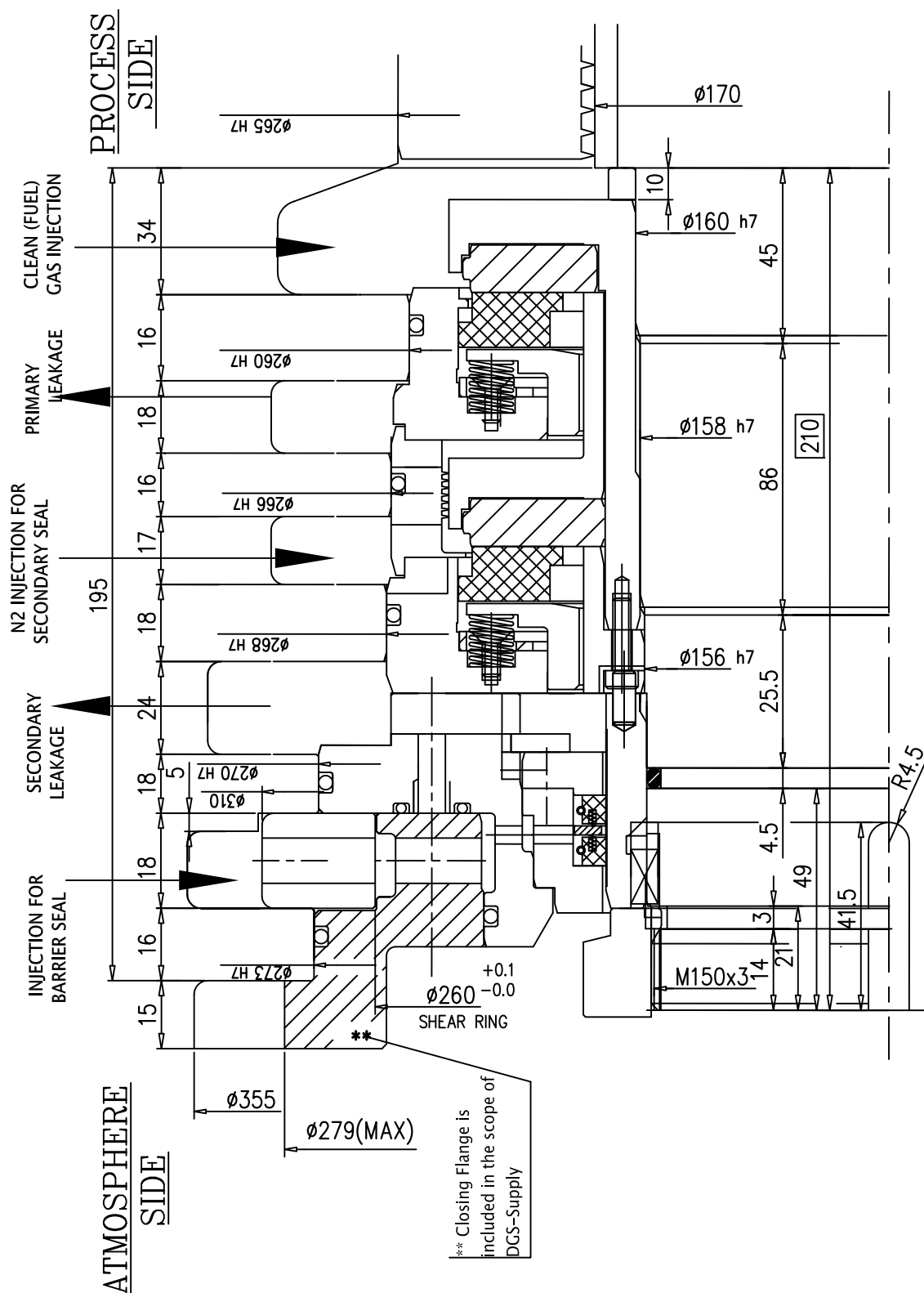
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DGS HOUSING DETAILS OF COMPRESSOR

(SEAL DIA Ø160 MCL/BCL500 SERIES) VAR 17





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