

10mm² X 4 CORE PVC/SWA/PVC + 10mm² BCEW
(FROM NORMAL POWER SUPPLY SOURCE DB)

10mm² X 4CORE PVC/SWA/PVC +
10mm² BCEW
(FROM STANDBY GENERATOR)

10mm² X 4CORE PVC/SWA/PVC +
10mm² BCEW
(FROM UPS UNIT/VOLTAGE
STABILIZER)

AUTOMATIC CHANGE-OVER
UNIT BUILT INTO DB20Nm³ /h-PSA

63A
TPN
ISOLATOR

6kA 400V 63A

4XSURGE DIVERTORS

10A

40A
EL
30mA

30A

20A

20A

20A

20A

20A

20A

HOSPITAL NAME: BENEDICTINE P1

LABEL : 20Nm³/h-PSA

SUPPLY : 400V THREE PHASE 50HZ

COLOUR : HOSPITAL GREY

LOCATION : INSIDE PLANT ROOM AGAINST CONTAINER WALL
NEXT TO AIR COMPRESSOR

MOUNTING : SURFACE FLOOR STANDING

SPARE : 25% SPARE CAPACITY

LABEL	L1	P1	ACOMP	ADR	O2GEN	O2COMP	AC1	SP	ALLOW SPARE SPACE 25 % - FOR WHOLE DB
EQUIPMENTS	LIGHTS	SOCKET OUTLETS	AIR COMPRESSOR	AIR DRYER	OXYGEN GENERATOR	OXYGEN COMPRESSOR	AIR CON UNIT	SPARES	
CONDUCTOR SIZE IN mm sq	2.5	4	6x4C	2.5x4C	2.5x4C	2.5x4C	2.5	-	
EARTH CONDUCTOR SIZE IN mm sq	2.5	4	6	2.5	2.5	2.5	2.5	-	
CONDUIT SIZE IN mm dia.	20	20	-	-	-	-	20	-	

CLIENT



EMPLOYERS AGENT



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0028.

IMPLEMENTING AGENT



DWG TITLE

20Nm³/h CONTAINERISED PSA PLANT:
SINGLE LINE DIAGRAM

DWG NO.

PSA-40-EL-MG-01

DESIGN AND DRAWN

L.C PR No. 2024601206 DATE 17.04.2023

APPROVED

W.K PR No. 201570180 DATE 17.04.2023

STATUS

ISSUED FOR TENDER