

8. Skid Mounted Packages, Manifolds,
Special Products

Section 8. Skid Mounted Packages, Manifolds and Special Products

RBV Energy supply Skid Mounted Packages, Manifolds & Special Products designed and supplied in accordance with the following specifications, where applicable, or to meet client requirements, and are supplied fully certified by independent third party authorities.

API PRESSURE RATINGS

API 6A

API 16C

API RP53

NPD/NMD

NACE MR-01-75

NORSOK

ANSI PRESSURE RATINGS

ASME B16.34

ASME VIII, PD5500

ANSI B16.9, B31.4, B31.8, B31.3

PRESSURE & TEMPERATURE RATINGS							
MAX. WORKING PRESSURE	5,000 PSI	7,500PSI	10,000PSI	15,000PSI	22,500PSI	20,000PSI	
TEST PRESSURE	7,500PSI	11,250PSI	15,000PSI	22,500PSI	30,000PSI		
PRODUCT SPECIFICATION LEVELS	1,2,3 & 4	1,2,3 & 4	1,2,3 & 4	1,2,3 & 4	1,2,3 & 4	1,2,3 & 4	
PRODUCT RATING	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	
API TEMPERATURE RATING	K (-60 DEG C) TO Y (+345 DEG C)	K (-60 DEG C) TO Y (+345 DEG C)	K (-60 DEG C) TO Y (+345 DEG C)	K (-60 DEG C) TO Y (+345 DEG C)	K (-60 DEG C) TO Y (+345 DEG C)	K (-60 DEG C) TO Y (+345 DEG C)	
RATING	150lb	300lb	400lb	600lb	900lb	1,500lb	2,500lb
MAX. WORKING PRESSURE	285 PSI	740 PSI	990 PSI	1480 PSI	2220 PSI	3705 PSI	6170 PSI
TEST PRESSURE	450 PSI	1125 PSI	1500 PSI	2225 PSI	3350 PSI	5575 PSI	9275 PSI
OPERATING TEMPERATURE RANGE	-28 TO +540 DEG C	-28 TO +540 DEG C	-28 TO +540 DEG C	-28 TO +540 DEG C	-28 TO +540 DEG C	-28 TO +540 DEG C	-28 TO +540 DEG C

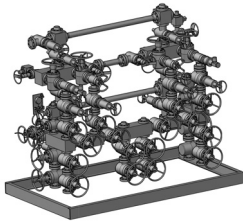
visit www.rbvenergy.com for more info

GENERAL NOTES: Please contact RBV Energy for any special material or dimensional requirements.

Max. working pressures stated are suitable for temperatures up to 121°C.

De-rating of max. working pressure will occur as the operating temperature increases above 121°C.

Diagram 8.1 Choke and Kill Manifolds



SIZE

2¹/₁₆" to 4¹/₁₆"

PRESSURE RATING

API 3,000 to 15,000lb

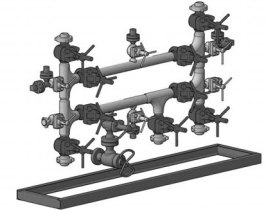
MATERIALS

API 6A Material Class AA to HH

DESIGN

API 6A, 16C, NORSOK, NPD, DNV, ABS

Diagram 8.2 Standpipe Manifolds



SIZE

3" NB to 6" NB

PRESSURE RATING

API 3,000 to 10,000lb

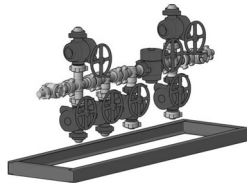
MATERIALS

API 6A Material Class AA to HH

DESIGN

API 6A, NORSOK, NPD, DNV, ABS

Diagram 8.3 Cement Manifolds



SIZE

2" to 4" NB

PRESSURE RATING

API 5,000 to 15,000lb

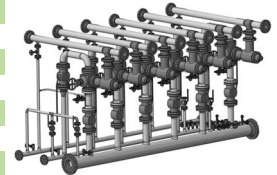
MATERIALS

API 6A Material Class AA to HH

DESIGN

API 6A, NORSOK, NPD, DNV, ABS

Diagram 8.4 Production Manifolds



SIZE

2" NB to 24" NB

PRESSURE RATING

ANSI 150lb to 2,500lb

MATERIALS

Carbon Stainless, Duplex and Exotics

DESIGN

ANSI B31.3, B31.4, B31.8, ASME VIII, PD5500

Section 8. Skid Mounted Packages, Manifolds and Special Products

Diagram 8.5 Mud Gas Separators



SIZE

1000mm to 3000mm Dia.

PRESSURE RATING

ANSI 150lb

MATERIALS

Carbon and Low Temp Carbon Steels

DESIGN

NORSOK, API 12J, ASME VIII, PD5500

Diagram 8.6 Cement & Barite Storage Silos

SIZE

1000mm to 3500mm Dia.

PRESSURE RATING

ANSI 150lb

MATERIALS

Carbon and Low Temp Carbon Steels

DESIGN

ANSI B31.3, B31.4, B31.8, ASME VIII, PD5500



Diagram 8.7 Dust Filter Systems



SIZE

500mm to 2000mm

PRESSURE RATING

ANSI 150lb

MATERIALS

Carbon and Low Temp Carbon Steels

DESIGN

Manufacturer Standard

Diagram 8.8 Sphere and Barred Tees

SIZE

2" NB to 60" NB

PRESSURE RATING

ANSI 150lb to 2,500lb

MATERIALS

Carbon, Stainless, Duplex and Exotics

DESIGN

ANSI B31.3, B31.4, B31.8, ASME B16.9, ASME VIII, PD5500



visit www.rbvenergy.com for more info

Diagram 8.9 Hose loading stations



SIZE
100mm to 500mm Dia.

PRESSURE RATING
ANSI 150lb

SERVICES
See Hoses under section 7

OPERATION
Electric, Hydraulic or Pneumatic

Diagram 8.10 Production and Test Headers

SIZE
6" to 48" NB

PRESSURE RATING
ANSI 150lb to 2500lb

MATERIALS
Carbon, Stainless, Duplex and Exotics

DESIGN
ANSI B31.3, B31.4, B31.8, ASME VIII, PD5500

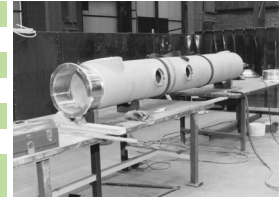


Diagram 8.11 Knock out drums, production and test separators



SIZE
500mm upwards

PRESSURE RATING
ANSI 150lb to 2,500lb
API 2,000lb to 15,000lb

MATERIALS
Carbon, Stainless, Duplex and Internally Clad

DESIGN
ANSI B31.3, ASME VIII, PD5500

Diagram 8.12 Piping Design and Stress Analysis

SIZE
2" NB to 40" NB

PRESSURE RATING
ANSI 150lb to 2,500lb
API 2,000lb to 15,000lb

MATERIALS
Carbon, Stainless, Duplex and Exotics

DESIGN
API 6A, ANSI B31.3 or to suit client design

