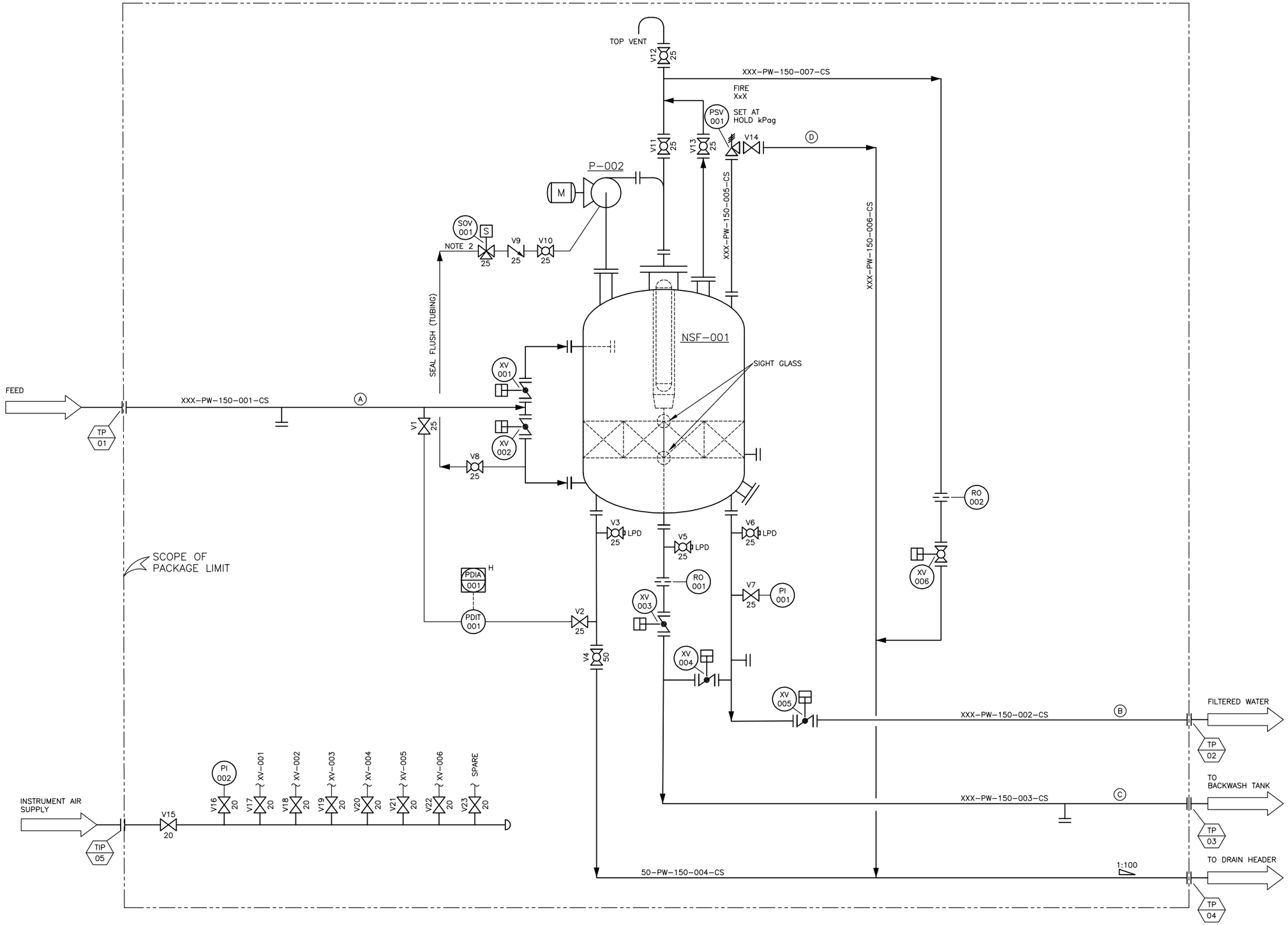
	NSF-001	P-002
	NUTSHELL FILTER	FLUIDISATION PUMP
DESIGN PRESSURE:	FV / 256 psig (FV/17.7 barg)	FV / 256 psig (FV/17.7 barg)
DESIGN TEMPERATURE:	−29°C (20°F) / 100°C (202°F)	−29°C (20°F) / 100°C (202°F)
MATERIAL OF CONSTRUCTION:	CARBON STEEL	CARBON STEEL

SIZING TABLE

Unit Capacity		Valve / Line Sizes				NSF Vessel Sizing		Backwash Flowrate	Backwash Volume
bwpd	m_3/hr	A	B	C	D	Diameter	Height	m^3/hr (bwpd)	m^3 (bbl)
5,000	33	80	80	80	50	1,219 mm	2,540 mm	66	13
		3"	3"	3"	2"	(4')	8' 4"	10,000	79
10,000	66	100	100	100	50	1,828 mm	2,540 mm	132	25
		4"	4"	4"	2"	(6')	8' 4"	20,000	154
25,000	166	150	150	150	80	2,743 mm	2,540 mm	332	61
		6"	6"	6"	3"	(9')	8' 4"	50,000	384
50,000	331	200	200	200	100	3,658 mm	2,540 mm	662	66
		8"	8"	8"	4"	(12')	8' 4"	100,000	415

NOTES

1. ANSI CLASS 150# SYSTEM DESIGN.
2. SEAL FLUSH.
3. HIGH TEMPERATURE ASSUMED TO BE OUTSIDE PLANT LIMIT BY OTHERS.
4. MATERIAL OF CONSTRUCTION: CARBON STEEL.
5. THIS P&ID IS TYPICAL AND PRESENTS STANDARD BASELINE OPERATING CONDITIONS. PROJECT SPECIFIC OPERATING CONDITIONS AND OTHER DETAILS SHALL BE PRESENTED IN THE BODY OF SUEZ'S FORMAL PROPOSAL.



No.	DATE	REVISION DETAILS	BY	CHK	APPD
A	1-DEC-21	ISSUED FOR USE	MG		

REVISION

CHK APPD

DIGITAL SIGNATURES

DWG No. TITLE

REFERENCE DWG'S

CLIENT

ORDER No.

CLIENT DWG No.

SUEZ Oil & Gas Systems

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PROJECT REFERENCE :

DWG TITLE

NUTSHELL FILTER PACKAGE

PIPING & INSTRUMENTATION DIAGRAM

SCALE (A3)	DO NOT SCALE DWG	DWG No.	REV.
		NSF-CS-000-PID-001	A