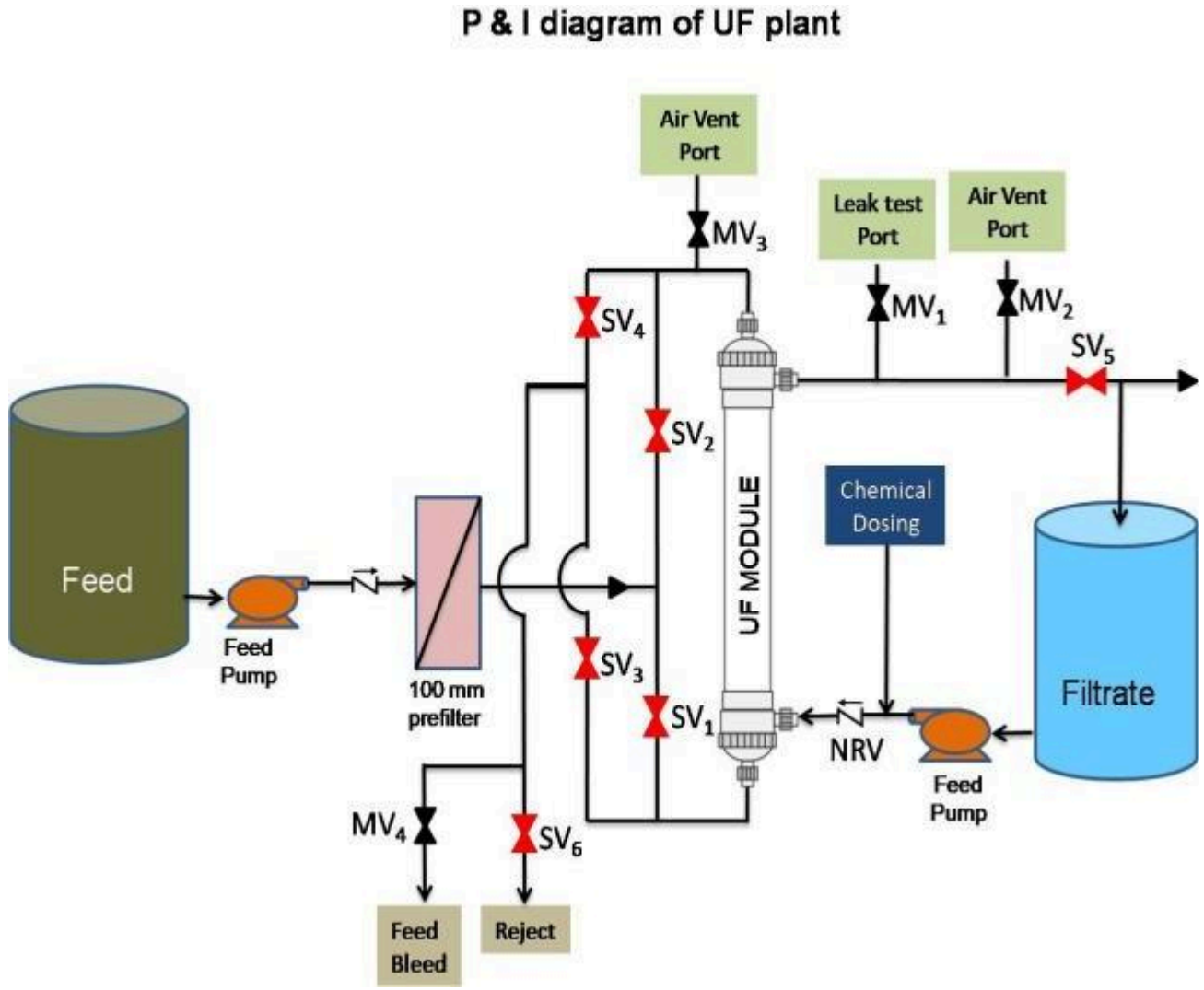
P & I Diagram of UF Plant

FILPURE®
INSIDE OUT SERIES



Filpure 45 / 55 m2 INSIDE OUT SERIES

P & ID with CYCLE LIST FOR FILPURE 1560 (45) and FILPURE 1860 (55)

FILPURE®
INSIDE OUT SERIES

						SOLENOID VALVES						MANUAL VALVES				PUMPS				
STAGE		STEP	STEP NAME	DURATION	FREQ.	SV1	SV2	SV3	SV4	SV5	SV6	MV1	MV2	MV3	MV4	RAW	BACKWASH	ACID	CAUSTIC	HYPO
OPERATION	Service 1	1	Service 1 (Top Feed Entry)	30 minutes	8	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	PARTIALLY OPEN	ON	OFF	OFF	OFF	OFF
	Backwash	2	Backwash 1 (Bottom exit)	30 seconds		OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	OFF
		3	Backwash 2 (Top exit)	30 seconds		OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	OFF
	Forward flush	4	Forward Flush 1 (Top exit)	30 seconds		ON	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	ON	OFF	OFF	OFF	OFF
	Service 2	5	Service 2 (Bottom Feed Entry)	30 minutes		ON	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	PARTIALLY OPEN	ON	OFF	OFF	OFF	OFF
	Backwash	6	Backwash 1 (Bottom exit)	30 seconds		OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	OFF
		7	Backwash 2 (Top exit)	30 seconds		OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	OFF
	Forward flush	8	Forward Flush 2 (Bottom exit)	30 seconds		OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	ON	OFF	OFF	OFF	OFF
CHEMICALLY ENHANCED BACKWASH	CEB 1	9	Charge	60 seconds	1	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	ON	OFF	OFF
		10	Soak	15 minutes		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	PARTIALLY OPEN	OFF	OFF	OFF	OFF	OFF
		11	Rinse	90 seconds		OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	OFF
	CEB 2	12	Charge	60 seconds	1	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	ON	OFF
		13	Soak	15 minutes		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	PARTIALLY OPEN	OFF	OFF	OFF	OFF	OFF
		14	Rinse	90 seconds		OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	OFF
	CEB 3	15	Charge	60 seconds	1	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	ON
		16	Soak	15 minutes		OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	PARTIALLY OPEN	OFF	OFF	OFF	OFF	OFF
		17	Rinse	90 seconds		OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	PARTIALLY OPEN	OFF	ON	OFF	OFF	OFF

All times and flow rates are estimated. Cells show ON/OFF state for each solenoid valve, manual valve and pump in each step.

UF Plant Photographs (1 of 2)

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UF Plant Photographs (2 of 2)

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