

PLC HARDWARE



N°1 CPU COMPACT LOGIC 1769L32E  
N°1 ETHERNET NETWORK



N° 48 DIGITAL INPUT  
N° 32 DIGITAL OUTPUT  
N° 24 ANALOG INPUT  
N° 4 ANALOG OUTPUT



PLANT INSTRUMENTS



N°4 DRIVE MICROMASTER 440



FLOW AND PRESSURE  
INSTRUMENTS



SYSTEM INTERFACES



RSLINX NETWORKS & DEVICE



N° 1 TOUCH PANEL PANELVIEW



OPERATOR PANEL SCREENS

BANK STATUS				STOPPED			
TOTAL FILTRATION FLOW	m3h	NNNNNN	####				
REC. FLOW RATE	m3h	NNNNNN	####				
FILTRATION CYCLE TIME	Sec	NNNNNN	####				
CYCLE NUMBERS	n	NNNNNN	####				
BACKWASHING FLOW	m3h	NNNNNN	####				
TMP	Bar	NNNNNN	####				
C.I.P. PROCEDURE				ON			

UF - START FILTRATION SETUP			
DT start 01GUF01AP001/2	Sec	NNNNNN	####
DT start 01GUF01AP003/4	Sec	NNNNNN	####
Ramp on 01GUF01AP001/2	Sec	NNNNNN	####
Ramp on 01GUF01AP003/4	Sec	NNNNNN	####
Ramp off 01GUF01AP001/2	Sec	NNNNNN	####
Ramp off 01GUF01AP003/4	Sec	NNNNNN	####
DT stop valve filtration	Sec	NNNNNN	####
DT end cycle	Sec	NNNNNN	####

UF - BACKWASHING CYCLE 1/3			
NO BW CYCLE			
FILTRATION CYCLE TIME	Sec	NNNNNN	NNNNNN
CYCLE NUMBERS	n	NNNNNN	NNNNNN
TIMER	Sec	NNNNNN	NNNNNN

UF - BACKWASHING CYCLE 2/3			
T1	DT opening valves B/W	Sec	####
T2	DT start pump backwashing	Sec	####
T3	B/W duration	Sec	####
T4	DT close valves B/W	Sec	####

UF - BACKWASHING CYCLE 3/3			
T5	DT opening valves B/W	Sec	####
T6	DT start pump backwashing	Sec	####
T7	B/W duration	Sec	####
T8	DT close valves B/W	Sec	####
T9	SOAKING	Sec	####

UF - FINAL WASHING			
DT opening valves B/W	Sec	NNNNNN	####
DT pump backwashing B/W	Sec	NNNNNN	####
B/W duration	Sec	NNNNNN	####
DT closing valves B/W	Sec	NNNNNN	####
DT opening valves B/W	Sec	NNNNNN	####
DT pump backwashing B/W	Sec	NNNNNN	####
B/W duration	Sec	NNNNNN	####
DT closing valves B/W	Sec	NNNNNN	####

UF - PUMP 01GUF01AP001/2			
Pid Mode		MANUAL	
Speed Motor- Man	%	NNNNNN	####
Set Point filtrate flow	m3h	NNNNNN	NNNNNN
PV Process Variable	m3h	NNNNNN	NNNNNN
Gain		####	####
TI Reset Time	Sec	####	####
TD Derivative Time	Sec	####	####
Value Limit %	High	####	Low

UF - PUMP 01GUF01AP003/4			
Pid Mode		MANUAL	
Speed Motor- Man	%	NNNNNN	####
Set Point filtrate flow	m3h	NNNNNN	NNNNNN
PV Process Variable	m3h	NNNNNN	NNNNNN
Gain		####	####
TI Reset Time	Sec	####	####
TD Derivative Time	Sec	####	####
Value Limit %	High	####	Low

UF - PUMP 01GUF01AP005/6			
Pid Mode		MANUAL	
Speed Motor- Man	%	NNNNNN	####
Set Point filtrate flow	m3h	NNNNNN	NNNNNN
PV Process Variable	m3h	NNNNNN	NNNNNN
Gain		####	####
TI Reset Time	Sec	####	####
TD Derivative Time	Sec	####	####
Value Limit %	High	####	Low

UF - MEASURE			
PRESSURE		FLOW RATE	

UF - FLOW RATE VALUES			
INLET FLOW	01GUF01CF001	m3h	NNNNNN
FILTRATE FLOW	01GUF01CF002	m3h	NNNNNN
RECIRCUL FLOW	01GUF01CF003	m3h	NNNNNN

UF - FLOW RATE ALARMS			
102	01GUF01CF002Z FIAH	m3h	NNNNNN
	ON	Delay t	Sec
			NNNNNN
103	01GUF01CF002Z FIAL	m3h	NNNNNN
	ON	Delay t	Sec
			NNNNNN
104	01GUF01CF002F FIAH	m3h	NNNNNN
	ON	Delay t	Sec
			NNNNNN
105	01GUF01CF002G FIAL	m3h	NNNNNN
	ON	Delay t	Sec
			NNNNNN