

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



RSLINK NETWORKS & DEVICE



N° 1 TOUCH PANEL PANELVIEW



OPERATOR PANEL SCREENS

RO - C.I.P. PROCEDURE				
C.I.P PROCEDURE RO				
DT start 01GCF01AP006/7	Sec	NNNNN	#####	
FLUSCH-C.I.P TANK 01GCF01LT001	cm	NNNNN		

STOPPED				
TOTAL INLET FLOW	m3h	NNNNN	#### #	
TOTAL RECOVERY	%	NNNNN	#### #	
1st STAGE RECOVERY	%	NNNNN	#### #	
INLET PLANT 01GCF01PH001	pH	NNNNN	#### #	
FLUSCH.SP 01GCF01AP003	%	NNNNN	#### #	
FLUSCH.SP 01GCF01AP004	%	NNNNN	#### #	
FLUSCH.SP 01GCF01AP005	%	NNNNN	#### #	

RO - START FILTRATION SETUP				
DT start 01GCF01AP001/2	Sec	NNNNN	#####	
DT start 01GCF01AP003	Sec	NNNNN	#####	
DT start 01GCF01AP004	Sec	NNNNN	#####	
DT start 01GCF01AP005	Sec	NNNNN	#####	
Ramp on 01GCF01AP003	Sec	NNNNN	#####	
Ramp on 01GCF01AP005	Sec	NNNNN	#####	

RO - FLUSCHING SETUP				
DT opening valves flushing	Sec	NNNNN	#####	
DT start 01GCF01AP006/7	Sec	NNNNN	#####	
DT start 01GCF01AP003/4/5	Sec	NNNNN	#####	
FLUSCHING	Sec	NNNNN	#####	
DT stop 01GCF01AP006/7	Sec	NNNNN	#####	
DT closing valves flushing	Sec	NNNNN	#####	
DT end cycle flushing	Sec	NNNNN	#####	

RO - PUMP 01GCF01AP003				
Pid Mode		MANUAL		
Speed Motor - Man	%	NNNNN	#### #	
Set Point filtrate flow	m3h	NNNNN	NNNNN	
F.V. Process Variable	m3h	NNNNN		
Gain		#### #		
TI Reset Time	Sec	### ##		
TD Derivative Time	Sec	### ##		
Value Limit %	High	### ##	Low	### ##

RO - PUMP 01GCF01AP005				
Pid Mode		MANUAL		
Speed Motor - Man	%	NNNNN	#### #	
Set Point filtrate flow	m3h	NNNNN	NNNNN	
F.V. Process Variable	m3h	NNNNN		
Gain		#### #		
TI Reset Time	Sec	### ##		
TD Derivative Time	Sec	### ##		
Value Limit %	High	### ##	Low	### ##

RO - PUMP 01GCF01DP002				
Pid Mode		MANUAL		
Max stroke - Man	%	NNNNN	#### #	
Set Point pH	Mac stroke/min	NNNNN	NNNNN	
F.V. Process Variable 01GCF01PH001		NNNNN		
Gain		#### #		
TI Reset Time	Sec	### ##		
TD Derivative Time	Sec	### ##		
Value Limit %	High	### ##	Low	### ##

RO - MEASURE				
PRESSURE				
FLOW RATE				
CONDUCTIVITY				
LEVEL				
pH				

RO - FLOW RATE VALUES				
INLET FLOW	01GCF01CF001	m3h	NNNNN	
2nd STAGE OUTLET FLOW	01GCF01CF002	m3h	NNNNN	
3rd STAGE RIRCULATION FLOW	01GCF01CF003	m3h	NNNNN	
CONCENTRATE FLOW	01GCF01CF004	m3h	NNNNN	

RO - FLOW RATE ALARMS				
150	01GCF01CF001E FIAL	m3h	NNNNN	#### #
	ON	Delay t	Sec	NNNNN
	01GCF01CF002E FIAL	m3h	NNNNN	#### #
151	ON	Delay t	Sec	NNNNN
	01GCF01CF004E FIAL	m3h	NNNNN	#### #
152	ON	Delay t	Sec	NNNNN

RO - PRESSURE VALUES				
INLET PLANT	01GUF01CP001	Bar	NNNNN	
CARTRIDGE OUTLET	01GUF01CP002	Bar	NNNNN	
1st STAGE INLET	01GUF01CP003	Bar	NNNNN	
1st STAGE OUTLET	01GUF01CP004	Bar	NNNNN	
2nd STAGE INLET	01GUF01CP005	Bar	NNNNN	
2nd STAGE OUTLET	01GUF01CP006	Bar	NNNNN	
3rd STAGE INLET	01GUF01CP007	Bar	NNNNN	
3rd STAGE OUTLET	01GUF01CP008	Bar	NNNNN	

RO - PRESSURE ALARMS				
100	01GCF01CP002E FIAL	Bar	NNNNN	#### #
	ON	Delay t	Sec	NNNNN
	PD02 PIAH	Bar	NNNNN	#### #
101	ON	Delay t	Sec	NNNNN
	01GCF01CP003D PIAH	Bar	NNNNN	#### #
102	ON	Delay t	Sec	NNNNN
	PDFSD PIAH	Bar	NNNNN	#### #
103	ON	Delay t	Sec	NNNNN