STEAMVALVES

Certificate EN 10204-3.1

Customer: TUVACOL S.A.	Certificate number:IT-0628022	
ORDER NO:6771	INVOICE NO:6771	DATE:JUN.28,2022

MATERIAL-DISC:ASTM-A351-CF8

MATERIAL-SEAT: EPDM

Item	Q'ty	Description	Size	Rating	Conn.
11	35	DISC(BUTTERFLY VALVE)	1-1/2"	150LBS	
12	100	DISC(BUTTERFLY VALVE)	2"	150LBS	
13	300	DISC(BUTTERFLY VALVE)	3"	150LBS	
14	300	DISC(BUTTERFLY VALVE)	4"	150LBS	
15	15	DISC(BUTTERFLY VALVE)	5"	150LBS	
16	280	DISC(BUTTERFLY VALVE)	6"	150LBS	
17	80	DISC(BUTTERFLY VALVE)	8"	150LBS	
18	25	DISC(BUTTERFLY VALVE)	10"	150LBS	
19	30	DISC(BUTTERFLY VALVE)	12"	150LBS	
20	5	DISC(BUTTERFLY VALVE)	14"	150LBS	

Item	Part	Charge Nr.	Q'ty	Hydrostatic test		Mechanical properties		
						Tensile strength (Mpa)	Yieldpoint (Mpa)	Elongation (%)
				DISC	SEAT	RM	Rp0.2	A
				PSI	PSI	>=485	>=205	>=35
11	DISC(BUTTERFLY VALVE)	-	35	450	255	520	210	42.0
12	DISC(BUTTERFLY VALVE)	-	100	450	255	520	210	42.0
13	DISC(BUTTERFLY VALVE)	-	300	450	255	520	210	42.0
14	DISC(BUTTERFLY VALVE)	-	300	450	255	520	210	42.0
15	DISC(BUTTERFLY VALVE)	-	15	450	255	520	210	42.0
16	DISC(BUTTERFLY VALVE)	-	280	450	255	520	210	42.0
17	DISC(BUTTERFLY VALVE)	-	80	450	255	520	210	42.0
18	DISC(BUTTERFLY VALVE)	-	25	450	255	520	210	42.0
19	DISC(BUTTERFLY VALVE)	-	30	450	255	520	210	42.0
20	DISC(BUTTERFLY VALVE)	-	5	450	255	520	210	42.0

CHEMICAL COMPOSITION

Charge Nr.	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Ni %
	<=0.08	<=2.0	<=1.50	<=0.04	<=0.04	18.0-21.0	<=0.5	8.0-11.0
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500
-	0.065	0.900	0.950	0.032	0.030	18.500	0.093	8.500

We hereby certify that the products described above have been successfully tested and comply with the terms of the order.

JIMMY/Q.C. MANAGER

FORM NO: 04-08-020