



INSPEKTION CERTIFICATE

SHEET No: 1/1

DATE: 6.9.1993

LESSERS: MERKANTA S.P.O.

DELIVER TO: Z IDELL

JOB No: 4337206/101 0157

P.O.No: kontrakt ZVC/AMO 8-90

MERKANTA spol.s r.o.

Rybárská 44, 746 01 OPAVA

25

ing. Alois Štěpán

WITNESSED BY

[Signature]

Q C Manager

Manuf.No.	Valve No.	Item No.	Description	Size		Qant.	Pressure test Psig				Material	Dimension	Visual	Operation	Remarks
				Inch	mm		Shell	Seat	Backseat	Result					
4337206	0001 - 0128		Globe stop valve Class 150 RF WCB/13 CR-HF	3"		128	Hydro	Hydro	Air	Hydro	Good	Good	Good	Good	
Remarks															

MATERIAL TEST RESULTS

SRRT No. 1

2/1

DATE: 6.9.1993

We hereby certify, that the materials herein described are satisfactory in accordance with the specification

Ing. Alois Štěpán
QC Manager

MERKANTA spol.s r.o.
Rybitzkova 44, 740 01 Olava

-25-

MESSRS MERKANTA S.J.O.
P.O.No.: kontrakt ZVC/AMO 8-90
Job No.: 4337206/1 01 0157
VALVE No.: 0001 - 0128

ITEM No.:

Class 150 Globe stop valve
Name of Valve: RF WCB/13 CR-HF

Size: 3"

Material: A 216 WCB

Element % Charge No.	Chemical		Compositions		S		SI		CR		NO		CU		Name of Parts
	C x 100 MAX 30	SI x 100 MAX 60	P x 1000 MAX 40	S x 1000 MAX 45	SI x 100	CR x 100	NO x 1000	CU x 100	SI x 100	CR x 100	NO x 1000	CU x 100	SI x 100	CR x 100	
52879	23	41	19	16	7	11	30	14	11	11	30	14	11	11	Body:
52917	25	44	23	17	7	11	30	14	11	11	30	14	11	11	Body
52918	24	44	28	20	7	11	40	13	11	11	40	13	11	11	Body
32614	25	40	27	18	7	9	20	14	9	11	20	14	11	11	Body
52871	22	38	25	18	7	11	30	11	11	11	20	12	11	11	Body
52804	22	43	25	18	9	12	20	13	11	11	20	13	11	11	Body
52814	24	28	22	18	8	11	20	13	11	11	20	13	11	11	Body
32578	21	42	22	19	8	38	50	13	32	38	50	13	32	38	Body
52802	19	41	21	15	8	32	20	10	32	32	20	10	32	32	Body
52864	20	42	23	18	6	22	30	12	22	22	30	12	22	22	Body

Item	Tension Test				Hardness		Bend Test		Charpy Impact Test		Heat Treatment
	Test G. L.	Piece D I A	Final str. 1/2 in	Yield str. 2/2 in	Brinell	Angle	Test Piece	Test Temp.	Test Piece	Test Temp.	
Charge No. 32614	50.0	12.5	485	325	22.0	31.0					940 - 960°C x 4 h
52879	50.0	12.5	509	325		61.5					
52917	50.0	12.5	548	344		51.0					
52918	50.0	12.5	541	344		49.6					
32614	50.0	12.5	541	331		45.2					
52871	50.0	12.5	509	318		60.3					
52804	50.0	12.5	535	337		43.8					
52814	50.0	12.5	522	331		46.7					
32578	50.0	12.5	522	331		48.1					
52802	50.0	12.5	509	318		52.3					
52864	50.0	12.5	509	318		52.3					

Notes:

MATERIAL TEST RESULTS

MESSRS **MERKANTA S.P.O.**
 P.O.No.: **kontrakt ZV/C/AMO 8-90**
 JOB No.: **4337206/1 01 0157**
 VALVE No. **0001 - 0128**

Reviewed by *[Signature]*
 Class **150 Globe stop valve**
 RF WCB/13 CR-HF

DATE: **6.9.1993**
 No hereby certify, that the materials herein described are satisfactory in accordance with the specification
 ing. **Alois Štěpán**
 QC Manager
 Material: **A 216 WCB**
 MERRKANTA spol.s ro.
 Rybitkova 44, 746 01 OPAVA

Item	Chemical		Compositions							Tension Test			Hardness			Bend Test		Charpy Impact Test		Heat Treatment
	C	SI	MN	P	S	NI	CR	NO	Cu	Yield str.	Elongation	Reduction	Brinell	Angle	Test Piece	Test Temp.	At Annealing	At Normalizing		
Charge No.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%		
42837	23	45	103	21	15	7	10	20	19											
32637	22	44	105	18	13	6	8	20	12											
32659	22	35	99	19	21	9	12	30	17											
52886	23	35	101	24	18	6	14	20	12											
32661	20	36	105	22	16	6	36	20	10											
52876	24	41	102	26	16	6	9	20	10											
52881	23	30	101	18	13	6	15	40	10											
42731	23	40	102	23	17	7	14	20	12											
32652	23	44	102	24	16	6	11	30	10											
42790	22	40	98	25	17	6	13	20	11											
42837	50.0	12.5	548	337	24.8	59.0														
	50.0	12.5	497	331	30.0	62.7														
32637	50.0	12.5	509	331	33.0	55.1														
32659	50.0	12.5	509	312	31.2	61.5														
52886	50.0	12.5	509	318	27.0	60.3														
32661	50.0	12.5	509	306	28.2	53.7														
52876	50.0	12.5	497	312	28.4	55.1														
52881	50.0	12.5	522	325	26.6	53.7														
42731	50.0	12.5	535	331	33.8	60.3														
32652	50.0	12.5	509	318	26.4	60.3														
42790	50.0	12.5	509	318	26.4	60.3														

Heat Treatment

940 - 960°C x 4 h