

Region: 2

Location: NY013

CSS #: 90341

Maximo Work Order No.: 19735

Asset #: NA

Date Issued: 10/17/22

Original Description: Repair Boilers install new flow control, 2 new pressure relief valves

Repairs Needed:

Labor and materials to a.) drain the heating loop b.) remove all the piping and the dielectric unions that are leaking c.) install the new boiler relief valves , boiler drain valves , and a flow switch d.) rebuild the piping and fill the system and test for proper operation

RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
--	NA	Materials (see attached detail)	--	--	\$1,827.96	--	\$1,827.96
--	NA	Equipment (see attached)	--	--	--	NA	NA
--	NA	TW Labor	12	\$80.00	--	--	\$960.00

Estimate Summary:

Labor Hours	Labor Cost	Material Cost	Equipment	Total Cost	CE Factor	Total Estimate
12	\$960.00	\$1,827.96	NA	\$2,787.96	90%	\$2,509.16



Customer Quotation

To:

TIDEWATER INC
6625 SELNICK DR #A
ELKRIDGE MD 21075-6220

Information

Date 11/10/2022
Customer Account Number 885295220
Grainger Quote Number 47425372
Customer Job Number
Contract Number
Grainger Representative John R Romano
Phone Number
Fax Number
Email
Grainger Tax ID 36-1150280

Item	Description Manufacturer Name & Model	Cat. Pg. #	Qty	\$ Quote	Ext. Price	Start Date	Exp. Date
1CKV6	Safety Relief Valve,3/4 In,50 psi,Bronze APOLLO 1060410 Country of Origin: USA		2	89.00	178.00	11/10/2022	03/31/2023
1RPH4	ProPress coupling No stop, 1-1/2"x1-1/2" VIEGA PROPRESS 78192 Country of Origin: Germany		4	27.01	108.04	11/10/2022	03/31/2023
447P28	Boiler Drain Valve,3/4" Pipe Size GRAINGER APPROVED 20273 Country of Origin: Indonesia		2	8.10	16.20	11/10/2022	03/31/2023
48RH53	ProPress 90 elbow, 3/4" x 3/4" VIEGA PROPRESS 77022 Country of Origin: USA		6	4.98	29.88	11/10/2022	03/31/2023
4KUK2	90 Elbow, Cast Iron, 1 1/2 in, FNPT ANVIL 0300001401 Country of Origin: USA		2	14.91	29.82	11/10/2022	03/31/2023
4KUY6	Reducing Tee, FNPT, 1 1/2 x 1 1/2 x 1 in ANVIL 0300042405 Country of Origin: USA		5	21.56	107.80	11/10/2022	03/31/2023

All orders are subject to the terms and conditions in your current contract with Grainger or to Grainger's current Terms of Sale as set forth on Grainger.com

Thank You!
Visit us at grainger.com



Customer Quotation

Information

Date 11/10/2022
Customer Account Number 885295220
Grainger Quote Number 47425372

Item	Description Manufacturer Name & Model	Cat. Pg. #	Qty	\$ Quote	Ext. Price	Start Date	Exp. Date
4WTH9	Type L,Hard length,5/8 In.X 10ft. STREAMLINE LH05010 Country of Origin: USA		1	51.32	51.32	11/10/2022	03/31/2023
4WTR8	Type K,Hard length,1 1/2 10ft. STREAMLINE KH14010 Country of Origin: USA		1	216.04	216.04	11/10/2022	03/31/2023
5P717	Black Pipe Nipple,Threaded,1-1/2x2 In GRAINGER APPROVED 5P717 Country of Origin: China		2	4.09	8.18	11/10/2022	03/31/2023
5P718	Black Pipe Nipple,Threaded,1-1/2x2-1/2In GRAINGER APPROVED 5P718 Country of Origin: China		2	4.67	9.34	11/10/2022	03/31/2023
5P719	Black Pipe Nipple,Threaded,1-1/2x3 In GRAINGER APPROVED 5P719 Country of Origin: China		2	4.61	9.22	11/10/2022	03/31/2023
5P720	Black Pipe Nipple,Threaded,1-1/2x3-1/2In GRAINGER APPROVED 5P720 Country of Origin: China		2	5.12	10.24	11/10/2022	03/31/2023
5P721	Black Pipe Nipple,Threaded,1-1/2x4 In GRAINGER APPROVED 5P721 Country of Origin: China		2	5.32	10.64	11/10/2022	03/31/2023
5UMA0	ProPress di-electric union,1-1/2"x1-1/2" VIEGA PROPRESS 79175 Country of Origin: Germany		4	86.80	347.20	11/10/2022	03/31/2023
5UMF4	ProPress adapter, 3/4" x 3/4" VIEGA PROPRESS 79395 Country of Origin: Germany		4	23.16	92.64	11/10/2022	03/31/2023
62YA61	Flow Switch LOCHINVAR 100208653 Country of Origin: USA		1	298.74	298.74	11/10/2022	03/31/2023
				Total \$	1,523.30		

Thank You!
Visit us at grainger.com



WARNING

I BE
TION
CHING
TIC

REV B



AMTROL



Taco[®]

Industrial Flow Switch

Model: IFSWSBL-S1

Description: Brass Bushing,
Special Paddle, NEMA 4

