Sustainable Optimization Valve Report

CIP SAVINGS PER YEAR

10.500.000 liters

UK valve replacement report,
generated Sep 06 2018 by Scenarios

TABLE OF CONTENT

Please note that the calculations and analysis made in this Sustainable Optimization report are based on information and data which is not originating directly from Alfa Laval. Alfa Laval cannot verify the contents of this report and it is intended as general information on potential optimizations only. The information and data in the report shall not be construed as an express or implied warranty or guarantee and shall be relied upon entirely at the customer's own risk.

INTRODUCTION

The purpose of the Alfa Laval Sustainable Optimization report is to present optimization possibilities on the specified equipment. This report will give estimations on economic improvements based on investment and cost operation numbers.

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On the following pages you will see an analysis of the agreed equipment.

Alfa Laval provides complete assistance to realize the estimated savings, and we also provide other services, from installation to maintenance and spare parts.

For further information, please contact:

Scenarios

demo@alfalaval.com

OPERATION PARAMETERS

The calculations are based on these settings

PROJECT NAME	UK
ITEM NAME	UK
TAG REFERENCE	
CIP PROGRAM	
NUMBER OF VALVES	300
CIP PER DAY	2
CIP PER YEAR	50
LIFETIME IN YEARS	10
CIP MEIDA COST	$0.10

EQUIPMENT PROFILES

The calculations are based on these settings

	VALVE 1	VALVE 2
MODEL NAME	UMP 100 Optimized	UMP 100 Not optimized
VALVE SIZE	100.00	100.00
UPPER PRESSURE	4.00	4.00
UPPER OPEN TIME	0.50	5.00
LOWER PRESSURE	4.00	4.00
LOWER TIME	0.50	5.00
VOLUME PER SEATLIFY	1.56	15.56
LIST PRICE PER UNIT		
DISCOUNT	0.00 %	0.00 %
NET PRICE PER UNIT		
ADDITIONAL INVESTMENT COSTS	0.00	0.00
ADDISTIONAL RUNNING COSTS		
ADDITIONAL INVESTMENT COSTS NOTES		

ANALYSIS WIZARD

Below you see the comparison between the equipments profiles

VALVE MODEL	UMP 100 OPTIMIZED	UMP 100 NOT OPTIMIZED
NO. OF UNITS	300	300
NO. CIP SEATLIFTS LIFTS	5	5
PRICE PER UNIT	$0.00	$0.00
TOTAL INVESTMENT COST	$0.00	$0.00
CIP MEDIA USAGE PER YEAR	1,170,000 liters	11,670,000 liters
CIP MEDIA COST PER YEAR	$117,000	$1,167,000
LIFETIME COST (INVESTMENT COST + OPERATING COST)	$1,170,000	$11,670,000

ANALYSIS CHART