



CERTIFICATE OF ACCEPTANCE

This is to certify that based on the Technical Qualification in accordance with testing procedure MESC SPE 77/300, TAMAP Supplier Technical Assessment Record (STAR) Level-2 has been awarded to:

AVK Group

Supplier name **Wouter Witzel Eurovalve**

Address **De Pol 12, 7581 CZ Losser, Overijssel, The Netherlands**

DVT Cert **2010-03-002** Year of issue **2019** Expiry date **23-Jan-24**
 Acceptance code **2-STAR** Tech Audit Status **passed** Tech Audit Report **GS.08.53728**
 Awarded Criticality Class **md** O2 qualified **No**

Acceptance Conditions

Test valve details and qualification range:

Tested valve

404

Model designation	WW-Eurovalve & EVTLS	Test date	23-Jan-08	DVT review	23-Jan-24
Test Report Number	GS.07.53917	Mesc no	7750502621		
Product/Services	Valves Butterfly, Concentric, Lined	Tec Code	BU-CO-SE-BD-XX-XX-RL-API609-ST		
Abbrev descr		Bore			
Nominal size	DN 100	Emission			
Pressure rating	16 bar	Temp, max	PLUS 130 deg C		
Temp, min	MINUS 29 deg C				

TEC codes qualified

BU-CO-SE-BD-XX-XX-RL-API609
BU-CO-SE-BD-XX-XX-RL-EN 593
BU-CO-SE-UD-XX-XX-RL-API609
BU-CO-SE-UD-XX-XX-RL-EN 593

Size, pressure class, temperature and emission class qualified

size range qualified	DN 50 RB	DN 250 RB
class range qualified	DIN PN 6	ASME CL 150
temperature range	-30 deg C	130 deg C
max FE class qualified	None	

VS-021 Mech Valves Support
 Shell Eurovalve Accepted
 Name: Tony Bolton
 Date & Sign: 21/1/2019

Tony Bolton

Tested valve

405

<i>Model designation</i>	WW-Eurovalve & EVTLS	<i>Test date</i>	23-Jan-08	<i>DVT review</i>	23-Jan-24
<i>Test Report Number</i>	GS.07.53917	<i>Mesc no</i>	7750567661		
<i>Product/Services</i>	Valves Butterfly, Concentric, Lined	<i>Tec Code</i>	BU-CO-SE-BD-XX-XX-RL-API609-ST		
<i>Abbrev descr</i>		<i>Bore</i>			
<i>Nominal size</i>	DN 250	<i>Emission</i>			
<i>Pressure rating</i>	16 bar	<i>Temp, min</i>	MINUS 29 deg C		
<i>Temp, min</i>		<i>Temp, max</i>	PLUS 130 deg C		

TEC codes qualified

BU-CO-SE-BD-XX-XX-RL-API609
BU-CO-SE-BD-XX-XX-RL-EN 593
BU-CO-SE-UD-XX-XX-RL-API609
BU-CO-SE-UD-XX-XX-RL-EN 593

Size, pressure class, temperature and emission class qualified

<i>size range qualified</i>	DN 100 FB	DN 400 RB
<i>class range qualified</i>	DIN PN 6	ASME CL 150
<i>temperature range</i>	-30 deg C	130 deg C
<i>max FE class qualified</i>	None	

Tested valve

406

<i>Model designation</i>	WW-Eurovalve & EVTLS	<i>Test date</i>	23-Jan-08	<i>DVT review</i>	23-Jan-24
<i>Test Report Number</i>	GS.07.53917	<i>Mesc no</i>	7750567701		
<i>Product/Services</i>	Valves Butterfly, Concentric, Lined	<i>Tec Code</i>	BU-CO-SE-BD-XX-XX-RL-API609-ST		
<i>Abbrev descr</i>		<i>Bore</i>			
<i>Nominal size</i>	DN 450	<i>Emission</i>			
<i>Pressure rating</i>	16 bar	<i>Temp, min</i>	MINUS 29 deg C		
<i>Temp, min</i>		<i>Temp, max</i>	PLUS 130 deg C		

TEC codes qualified

BU-CO-SE-BD-XX-XX-RL-API609
BU-CO-SE-BD-XX-XX-RL-EN 593
BU-CO-SE-UD-XX-XX-RL-API609
BU-CO-SE-UD-XX-XX-RL-EN 593

Size, pressure class, temperature and emission class qualified

<i>size range qualified</i>	DN 300 FB	DN 750 RB
<i>class range qualified</i>	DIN PN 6	ASME CL 150
<i>temperature range</i>	-30 deg C	130 deg C
<i>max FE class qualified</i>	None	

Tested valve

407

<i>Model designation</i>	WW-Eurovalve & EVTLS	<i>Test date</i>	23-Jan-08	<i>DVT review</i>	23-Jan-24
<i>Test Report Number</i>	GS.07.53917	<i>Mesc no</i>	7750515291	<i>Tec Code</i>	BU-CO-SE-BD-XX-XX-RL-API609-ST
<i>Product/Services</i>	Valves Butterfly, Concentric, Lined	<i>Bore</i>		<i>Emission</i>	
<i>Abbrev descr</i>		<i>Temp, min</i>	MINUS 29 deg C	<i>Temp, max</i>	PLUS 130 deg C
<i>Nominal size</i>	DN 900				
<i>Pressure rating</i>	16 bar				

TEC codes qualified

BU-CO-SE-BD-XX-XX-RL-API609
BU-CO-SE-BD-XX-XX-RL-EN 593
BU-CO-SE-UD-XX-XX-RL-API609
BU-CO-SE-UD-XX-XX-RL-EN 593

Size, pressure class, temperature and emission class qualified

<i>size range qualified</i>	DN 750 FB	DN 1400 RB
<i>class range qualified</i>	DIN PN 6	ASME CL 150
<i>temperature range</i>	-30 deg C	130 deg C
<i>max FE class qualified</i>	None	

VS-021 Mech Valves Support
 Shell Enterprise Accepted
 Name: Tony Bolton
 Date & Sign: 21.1.2019


MESC numbers qualified

MESC no	Type	SI short description	Size	Bore	Temp, min	Emission CL	Mat, body	CLD or LN
	Design spec		Pressure rating	Schedule	Temp, max	Service(s)	Mat, trim	
7750502621	Butterfly, Concentric		DN 100		MINUS 29 deg C			
			DIN class PN 16		PLUS 130 deg C			
7750502761	Butterfly, Concentric		DN 750	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	BS EN 593		DIN CLASS PN 10		PLUS 130 deg C	WATER	SS/EPDM	
7750502791	Butterfly, Concentric		DN 900	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	BS EN 593		DIN CLASS PN 10		PLUS 130 deg C	WATER	SS/EPDM	
7750503261	Butterfly, Concentric	VBUL, DN750, PN10, LUG, FF, DI, EPDM	DN 750	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	BS EN 593		DIN CLASS PN 10		PLUS 130 deg C	WATER	SS/EPDM	
7750503291	Butterfly, Concentric	VBUL, DN900, PN10, LUG, FF, DI, EPDM	DN 900	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	BS EN 593		DIN CLASS PN 10		PLUS 130 deg C	WATER	SS/EPDM	
7750515101	Butterfly, Concentric		DN 80	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515121	Butterfly, Concentric		DN 100	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515141	Butterfly, Concentric		DN 150	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515151	Butterfly, Concentric		DN 200	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515161	Butterfly, Concentric		DN 250	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515171	Butterfly, Concentric		DN 300	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515181	Butterfly, Concentric		DN 350	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515191	Butterfly, Concentric		DN 400	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515201	Butterfly, Concentric		DN 450	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	
7750515211	Butterfly, Concentric		DN 500	-	MINUS 20 deg C	-	DUCTILE IRON	EPDM PER
	API STD 609		DIN CLASS PN 16		PLUS 130 deg C	WATER	SS/EPDM	

7750515231	Butterfly, Concentric API STD 609	DN 600 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750515261	Butterfly, Concentric BS EN 593	DN 750 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750515291	Butterfly, Concentric BS EN 593	DN 900 DIN class PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750515291	Butterfly, Concentric BS EN 593	DN 900 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750515321	Butterfly, Concentric BS EN 593	DN 1050 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750515341	Butterfly, Concentric BS EN 593	DN 1200 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519601	Butterfly, Concentric VBUL, DN80, PN16, LUG, RF, DI, EPDM API STD 609	DN 80 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519621	Butterfly, Concentric VBUL, DN100, PN16, LUG, RF, DI, EPDM API STD 609	DN 100 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519641	Butterfly, Concentric VBUL, DN150, PN16, LUG, RF, DI, EPDM API STD 609	DN 150 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519651	Butterfly, Concentric VBUL, DN200, PN16, LUG, RF, DI, EPDM API STD 609	DN 200 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519661	Butterfly, Concentric VBUL, DN250, PN16, LUG, RF, DI, EPDM API STD 609	DN 250 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519671	Butterfly, Concentric VBUL, DN300, PN16, LUG, RF, DI, EPDM API STD 609	DN 300 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519681	Butterfly, Concentric VBUL, DN350, PN16, LUG, RF, DI, EPDM API STD 609	DN 350 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519691	Butterfly, Concentric VBUL, DN400, PN16, LUG, RF, DI, EPDM API STD 609	DN 400 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519701	Butterfly, Concentric VBUL, DN450, PN16, LUG, RF, DI, EPDM API STD 609	DN 450 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519711	Butterfly, Concentric VBUL, DN500, PN16, LUG, RF, DI, EPDM API STD 609	DN 500 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519731	Butterfly, Concentric VBUL, DN600, PN16, LUG, RF, DI, EPDM API STD 609	DN 600 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519761	Butterfly, Concentric VBUL, DN750, PN16, LUG, RF, DI, EPDM BS EN 593	DN 750 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519791	Butterfly, Concentric VBUL, DN900, PN16, LUG, RF, DI, EPDM BS EN 593	DN 900 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519821	Butterfly, Concentric VBUL, DN1050, PN16, LUG, RF, DI, EPDM BS EN 593	DN 1050 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750519841	Butterfly, Concentric VBUL, DN1200, PN16, LUG, RF, DI, EPDM BS EN 593	DN 1200 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON SS/EPDM	EPDM PER
7750552761	Butterfly, Concentric BS EN 593	DN 750 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750552791	Butterfly, Concentric BS EN 593	DN 900 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750552821	Butterfly, Concentric BS EN 593	DN 1050 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750552841	Butterfly, Concentric BS EN 593	DN 1200 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750553261	Butterfly, Concentric VBUL, DN750, PN10, LUG, FF, DI, EPDM BS EN 593	DN 750 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750553291	Butterfly, Concentric VBUL, DN900, PN10, LUG, FF, DI, EPDM BS EN 593	DN 900 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750553321	Butterfly, Concentric VBUL, DN1050, PN10, LUG, FF, DI, EPDM BS EN 593	DN 1050 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750553341	Butterfly, Concentric VBUL, DN1200, PN10, LUG, FF, DI, EPDM BS EN 593	DN 1200 - DIN CLASS PN 10	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560601	Butterfly, Concentric VBUL, DN80, PN16, LUG, RF, DI, EPDM API STD 609	DN 80 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560621	Butterfly, Concentric VBUL, DN100, PN16, LUG, RF, DI, EPDM API STD 609	DN 100 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER

VS-G21 Mech Valves Support
Shell EMEA writes Accepted
Name: Tony Bolton
Date: 21/1/2019
EPDM PER
ABS

7750560641	Butterfly, Concentric VBUL, DN150, PN16, LUG, RF, DI, EPDM API STD 609	DN 150 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560651	Butterfly, Concentric VBUL, DN200, PN16, LUG, RF, DI, EPDM API STD 609	DN 200 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560661	Butterfly, Concentric VBUL, DN250, PN16, LUG, RF, DI, EPDM API STD 609	DN 250 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560671	Butterfly, Concentric VBUL, DN300, PN16, LUG, RF, DI, EPDM API STD 609	DN 300 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560681	Butterfly, Concentric VBUL, DN350, PN16, LUG, RF, DI, EPDM API STD 609	DN 350 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560691	Butterfly, Concentric VBUL, DN400, PN16, LUG, RF, DI, EPDM API STD 609	DN 400 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560701	Butterfly, Concentric VBUL, DN450, PN16, LUG, RF, DI, EPDM API STD 609	DN 450 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560711	Butterfly, Concentric VBUL, DN500, PN16, LUG, RF, DI, EPDM API STD 609	DN 500 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560731	Butterfly, Concentric VBUL, DN600, PN16, LUG, RF, DI, EPDM API STD 609	DN 600 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560761	Butterfly, Concentric VBUL, DN750, PN16, LUG, RF, DI, EPDM API STD 609	DN 750 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560791	Butterfly, Concentric VBUL, DN900, PN16, LUG, RF, DI, EPDM API STD 609	DN 900 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560821	Butterfly, Concentric VBUL, DN1050, PN16, LUG, RF, DI, EPDM API STD 609	DN 1050 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750560841	Butterfly, Concentric VBUL, DN1200, PN16, LUG, RF, DI, EPDM API STD 609	DN 1200 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565101	Butterfly, Concentric API STD 609	DN 80 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565121	Butterfly, Concentric API STD 609	DN 100 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565141	Butterfly, Concentric API STD 609	DN 150 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565151	Butterfly, Concentric API STD 609	DN 200 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565161	Butterfly, Concentric API STD 609	DN 250 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565171	Butterfly, Concentric API STD 609	DN 300 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565181	Butterfly, Concentric API STD 609	DN 350 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565191	Butterfly, Concentric API STD 609	DN 400 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565201	Butterfly, Concentric API STD 609	DN 450 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565211	Butterfly, Concentric API STD 609	DN 500 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565231	Butterfly, Concentric API STD 609	DN 600 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565261	Butterfly, Concentric API STD 609	DN 750 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565291	Butterfly, Concentric API STD 609	DN 900 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565321	Butterfly, Concentric API STD 609	DN 1050 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750565341	Butterfly, Concentric API STD 609	DN 1200 - DIN CLASS PN 16	MINUS 29 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750567661	Butterfly, Concentric	DN 250 DIN class PN 16	MINUS 29 deg C PLUS 130 deg C	-		
7750567701	Butterfly, Concentric	DN 450 DIN class PN 16	MINUS 29 deg C PLUS 130 deg C	-		
7750567761	Butterfly, Concentric BS EN 593	DN 750 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER

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Shell End-use/Use Accepted
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Date & Sign: 21/1/2019

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7750567791	Butterfly, Concentric BS EN 593	DN 900 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750567821	Butterfly, Concentric BS EN 593	DN 1050 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750567841	Butterfly, Concentric BS EN 593	DN 1200 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750568261	Butterfly, Concentric VBUL, DN750, PN16, LUG, FF, DI, EPDM BS EN 593	DN 750 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750568291	Butterfly, Concentric VBUL, DN900, PN16, LUG, FF, DI, EPDM BS EN 593	DN 900 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750568321	Butterfly, Concentric VBUL, DN1050, PN16, LUG, FF, DI, EPDM BS EN 593	DN 1050 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750568341	Butterfly, Concentric VBUL, DN1200, PN16, LUG, FF, DI, EPDM BS EN 593	DN 1200 - DIN CLASS PN 16	MINUS 20 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666601	Butterfly, Concentric VBUL, DN80, PN16, LUG, RF, DI, EPDM API STD 609	DN 80 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666621	Butterfly, Concentric VBUL, DN100, PN16, LUG, RF, DI, EPDM API STD 609	DN 100 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666641	Butterfly, Concentric VBUL, DN150, PN16, LUG, RF, DI, EPDM API STD 609	DN 150 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666651	Butterfly, Concentric VBUL, DN200, PN16, LUG, RF, DI, EPDM API STD 609	DN 200 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666661	Butterfly, Concentric VBUL, DN250, PN16, LUG, RF, DI, EPDM API STD 609	DN 250 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666671	Butterfly, Concentric VBUL, DN300, PN16, LUG, RF, DI, EPDM API STD 609	DN 300 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666681	Butterfly, Concentric VBUL, DN350, PN16, LUG, RF, DI, EPDM API STD 609	DN 350 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666691	Butterfly, Concentric VBUL, DN400, PN16, LUG, RF, DI, EPDM API STD 609	DN 400 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666701	Butterfly, Concentric VBUL, DN450, PN16, LUG, RF, DI, EPDM API STD 609	DN 450 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666711	Butterfly, Concentric VBUL, DN500, PN16, LUG, RF, DI, EPDM API STD 609	DN 500 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666731	Butterfly, Concentric VBUL, DN600, PN16, LUG, RF, DI, EPDM API STD 609	DN 600 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666761	Butterfly, Concentric VBUL, DN750, PN16, LUG, RF, DI, EPDM API STD 609	DN 750 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666791	Butterfly, Concentric VBUL, DN900, PN16, LUG, RF, DI, EPDM API STD 609	DN 900 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666821	Butterfly, Concentric VBUL, DN1050, PN16, LUG, RF, DI, EPDM API STD 609	DN 1050 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER
7750666841	Butterfly, Concentric VBUL, DN1200, PN16, LUG, RF, DI, EPDM API STD 609	DN 1200 - DIN CLASS PN 16	MINUS 5 deg C PLUS 130 deg C	- WATER	DUCTILE IRON ALUMINIUM BRONZE	EPDM PER

VS-021 Mech. Valves Support
Shell Enterprise Accepted
Name: Tony Bolton
Date & Sign: 22/1/2019

Handwritten signature: T. Bolton