

# 344Q

Valve nominal size

80 to 600mm

Max. working pressure MPa

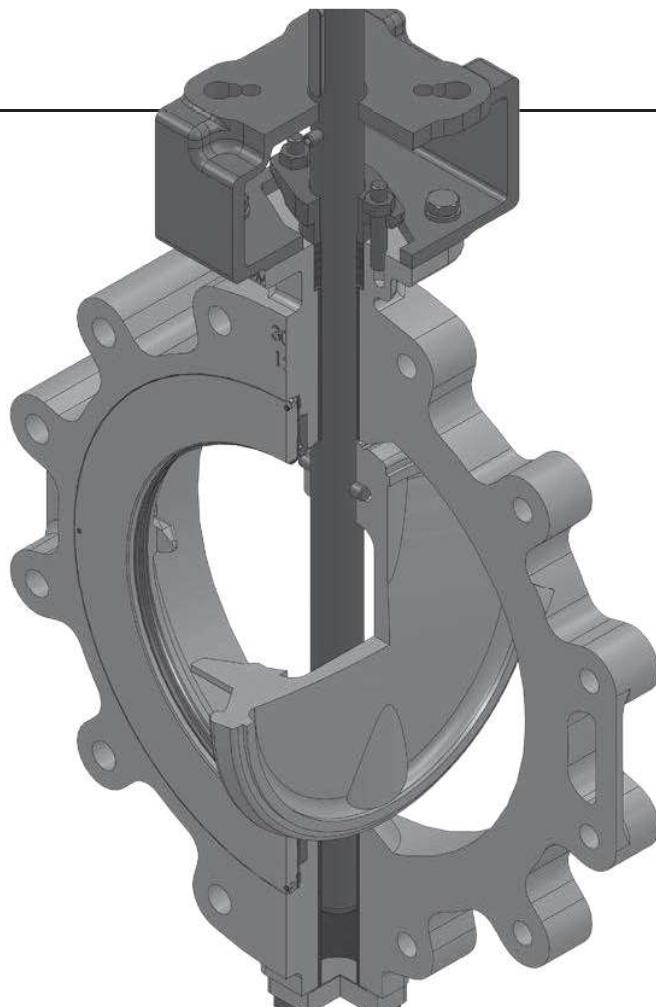
0 1.0 2.0

Ni-Al Bronze 2.0

Working temperature range °C

0 -29 232

**FS** Fire safe certification to API607 7th Ed. / ISO10497 3rd Ed.



Lock Lever



Worm Gear



Pneumatic Cylinder



Motorized

## Features and Benefits

Double Offset PTFE Seated High Performance Butterfly Valve to Suit API Standard Fire Safe Certification

### General description

Designed to suit those severe conditions such as high temperature, high pressure or high velocity which disallow the use of soft resilient seated butterfly valves. Ideal for use for seawater fire fighting.

### Double offset geometry

The design exhibits tight shut off, reduced torques, chemical resistance, excellent throttling capabilities, and the ability to operate with relatively high pressure drops.

### Seawater service application

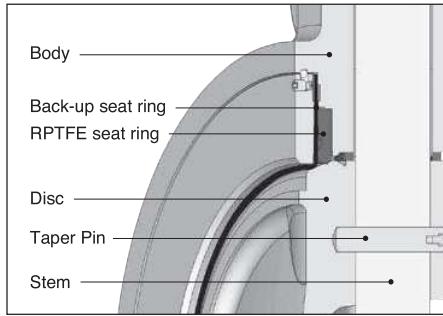
Designed to suit seawater service application such as fire fighting line for FPSO.

### Characteristics

Fire safe certification to API607 7th Ed.

API607-7th edition Fire safe / ISO10497 3rd Ed.

## 344Q Fire Safe Seat



### Standard Specifications

Product characteristics	Double offset soft seated butterfly valve	
Conection	Lugged type	
Nominal valve size	80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600mm	
Applicable standards	Face-to-face dimensions	API609 Class150 Category B
	Flange accommodation	ASME/JPI Class150, Flat Face
	Actuator attachment	ISO5211/1
	P-T rating	ASME B16.34 / API 609
Applicable fluid	Seawater	
Max.working pressure	2.0MPa	
Working temperature range	-29 degree C to 232 degree C	
Pressure direction	Standard pressure direction : Pressure on retainer side	
Test Pressure	Shell test	Working pressure x 1.5 times (Hydrostatic pressure)
	Seat leakage	0.7MPa(Air pressure) Based on API598-9th Ed. Option : Working pressure x 1.1 times (Hydrostatic pressure)
Standard Materials	Body	ASTM B148 C95800
	Disc	ASTM B148 C95800
	Shaft	MONEL K-500
	Seat ring	RPTFE(Carbon graphite contained) / Inconel 625
	Retainer	ASTM B148 C95800
	Gland Packing	Graphite
Shaft shape for actuator connection	150Lb: 80mm to 250mm : Square / 300mm to 600mm : Key	
Actuator	Lock lever, Worm gear, Pneumatic cylinder, Electric motor	
Coating	Silicon resin coating (Grey N7) for 200 degrees C or lower. Heat resistant silver coating for over 200 degrees C. No painting for stainless steel.	
Usable Gasket	Sheet gasket : Marketed products available Spiral wound gasket : Marketed products (with inner & outer ring) available	
Fire safe	API607-7th edition, ISO10497 3rd edition	

※It is possible that seat leakage occur when fluid (e.g. powder and/or liquid) is solidified by working temperature and other cause. Consult us.

Butterfly Valve

TRITEC

TT2

334A

344Q

302A/303Q

304A/304Q

304YA

302Y/304Y

304M (HLV)

507V/508V

DTM

846T/847T/847Q

841T/842T

700Z

700G/704G/705G

72WG/72SG/72LG

731P/732P/  
732Q/752W

731R

700E/700K/700S

704G/722F/720F

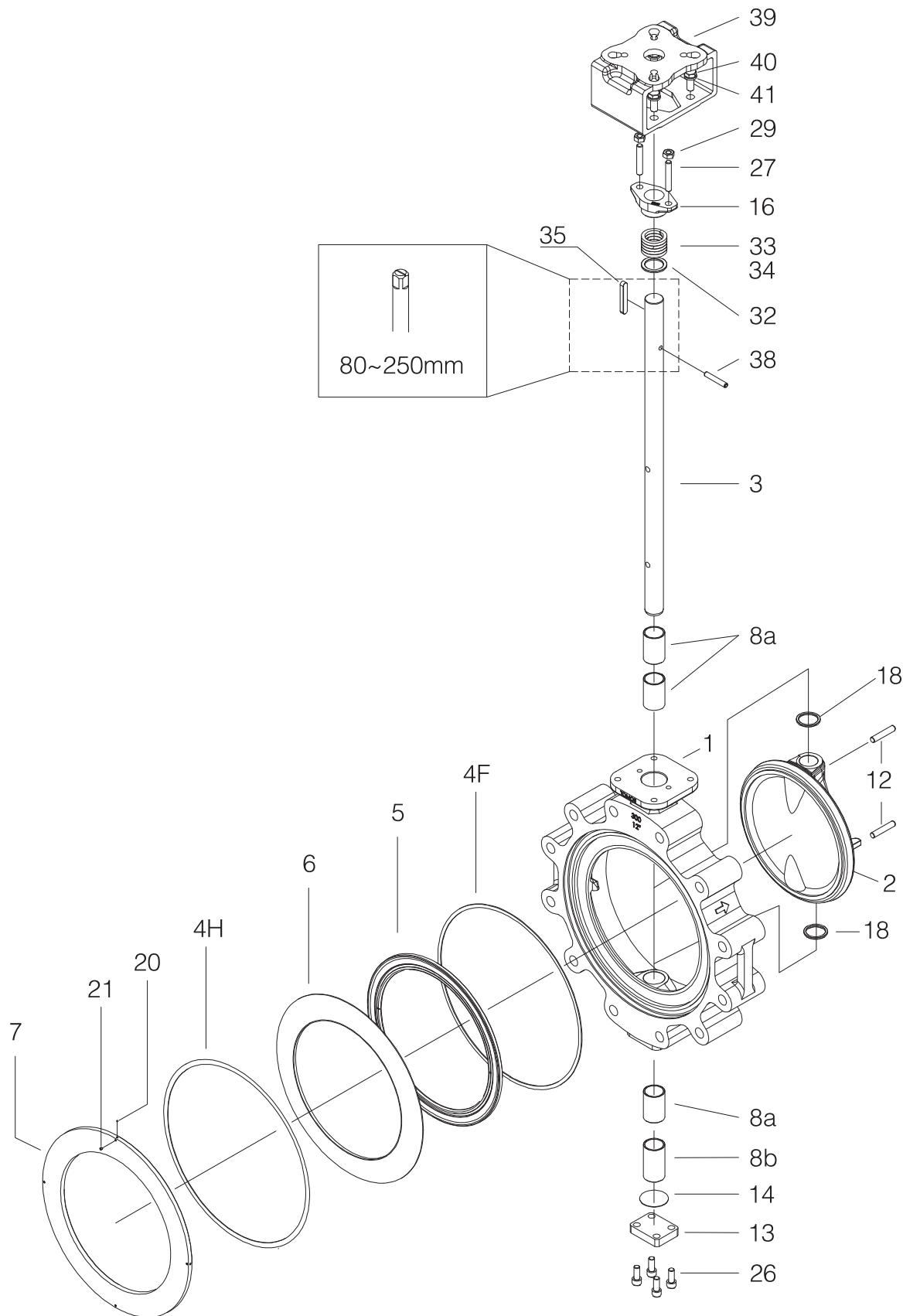
227P

907T/908H  
(MKT)

903L/901C/

905C(Bata-check)

## 344Q Expanded view of bare shaft



## 344Q Parts List

No.	Description	Q'ty	Remarks
1	Body	1	
2	Disc	1	
3	Stem	1	
4F	Gasket (Body)	1	
4H	Gasket (Retainer)	1	
5	Seat ring	1	
6	Backup Seating	1	
7	Seat ring retainer	1	
8a	Bearing a	3	100mm, 150mm, 250mm to 600mm
		4	80mm, 200mm
8b	Bearing b	0	80mm, 200mm
		1	100mm, 150mm, 250mm to 600mm
12	Taper pin	2	80mm to 300mm
		3	350mm to 600mm
13	Bottom cover	1	
14	Bottom gasket	1	
16	Gland plate spigot	1	
18	Space ring	2	
20	Ball	2	80mm, 100mm
		4	150mm to 600mm
21	Set screw	2	80mm, 100mm
		4	150mm to 600mm
26	Cap screw bolt	4	
27	Gland bolt	2	
29	Hexagon nut	2	
32	Packing retainer	1	
33	Gland packing a	3	
34	Gland packing b	2	
35	Key	0	80mm to 250mm
		1	300mm to 600mm
38	Spring pin	1	
39	Bracket	1	
40	Hexagon bolt	4	
41	Spring washer	4	

Butterfly Valve
<b>TRITEC</b>
<b>TT2</b>
<b>334A</b>
<b>344Q</b>
<b>302A/303Q</b>
<b>304A/304Q</b>
<b>304YA</b>
<b>302Y/304Y</b>
<b>304M (HLV)</b>
<b>507V/508V</b>
<b>DTM</b>
<b>846T/847T/847Q</b>
<b>841T/842T</b>
<b>700Z</b>
<b>700G/704G/705G</b>
<b>72WG/72SG/72LG</b>
<b>731P/732P/732Q/752W</b>
<b>731R</b>
<b>700E/700K/700S</b>
<b>704G/722F/720F</b>
<b>227P</b>
<b>907T/908H (MKT)</b>
<b>903L/901C/905C (Bata-check)</b>