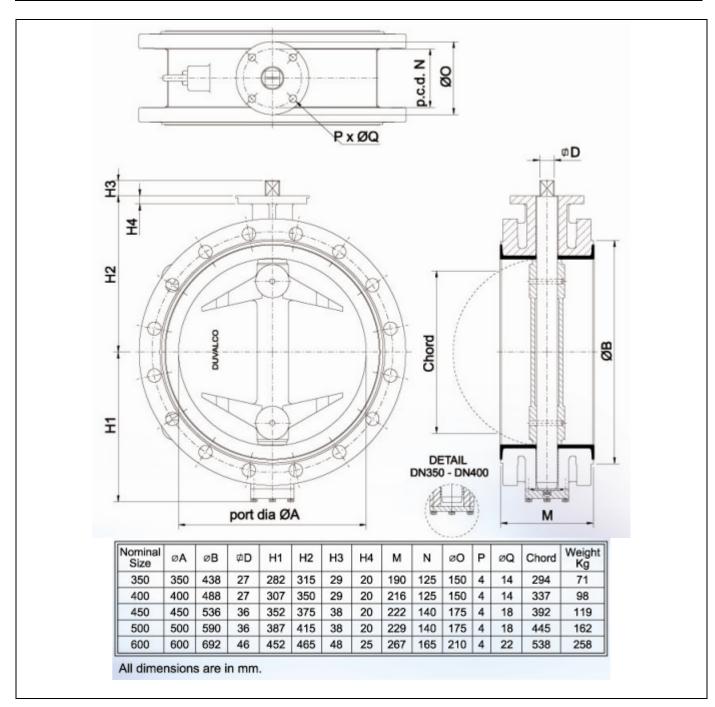


Description	Duvalco BA double flanged butterfly valves are of the concentric type with vulcanised rubber liner for minimum operating loads and reduced wear and tear on the various components, designed to meet EN 593. Body construction is from ductile iron with discs available in ductile iron, stainless steel 304 or 316, shafts in 420, 431, 304 or 316 stainless steel. Aluminium bronze discs also available.										
Size Range	DN50 to DN22	00									
Pressure Rating		ated at PN16 for es also available		ontinuous working pressure uest)							
Design Standard	EN 593										
Materials of Construction	Description Body Disc Shaft Lining Fasteners * Other types of	Material Ductile SG iron Ductile SG iron Stainless steel EPDM NBR Zinc Plate steel materials are also	BS EN BS EN (Size b BS EN (Size at BS EN BS 2494 BS 4168	8 PT1 Grade 8.8							
	PN16 pressure	rating valves a	re tested	to the following pressures:-							
Testing	Description Body Seat	Nominal Pre 16 bar 16 bar	essure	Hydraulic Test Pressure24 bar17.6 bar							
Direction to close	Clockwise To Close (CTC)										
Corrosion Protection	 The external surfaces of the valve body and the disc will be coated with spray applied liquid 2-pack epoxy paint system - primer plus 2 finish coats. Epoxy coating is WRAS listed for potable water applications and meets the requirements of BS 6920 for water quality testing. Coating colour - blue to RAL 5005 										



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Nominal Size ØA ØB ØD H1 H2 H3 H4 M N ØO P ØQ Chord Weight Kg 50 50 102 11 67 118 25 12 108 70 90 4 9 - 7.5 65 65 122 11 74 126 25 12 112 70 90 4 9 - 9.0 80 80 130 11 82 133 25 14 114 70 90 4 9 - 111 100 100 158 11 100 147 25 14 127 70 90 4 9 - 114 125 125 191 14 112 160 28 14 140 70 90 4 9 - 19 150 150 215 14 <td< th=""><th>H H</th><th></th><th>DUVALCO</th><th></th><th></th><th></th><th></th><th></th><th></th><th>Chord</th><th></th><th></th><th></th><th></th><th>88</th></td<>	H H		DUVALCO							Chord					88
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100 100 158 11 100 147 25 14 127 70 90 4 9 - 14 125 125 191 14 112 160 28 14 140 70 90 4 9 - 19 150 150 215 14 134 180 28 14 140 70 90 4 9 - 19 150 150 215 14 134 180 28 14 140 70 90 4 9 53 22 200 200 268 17 159 204 28 14 152 70 90 4 9 130 34 250 250 324 22 195 245 30 15 165 102 125 4 11 188 49			ØB	¢D	H1		25			_					
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H2	H					N N	-9-9-9-		Chord						68	
Ŧ	+	-	1 John I	Port dia. ØA							/		M			
Nominal Size		ØB	ØD		E	H2	НЗ	H4	, M	N	00	P	M	Chord	Weight	
Nominal		ØB 635	ØD 55	Port dia. ØA	H1 395	H2 470	H3 110	H4 25	M 229	N 165	Ø0 210	P 4		Chord	Weight Kg 250	
Nominal Size	ØA			Key No-size									øQ		Kg	6
Nominal Size 550	ØA 532	635	55	Key No-size 1-16x10x100	395	470	110	25	229	165	210	4	øQ 22	480	Kg 250	
Nominal Size 550 650	ØA 532 640	635 740	55 60	Key No-size 1-16x10x100 1-18x11x100	395 455	470 500	110 110	25 30	229 267	165 165	210 210	4	ØQ 22 22	480 582	Kg 250 340	
Nominal Size 550 650 700	ØA 532 640 690	635 740 805	55 60 70	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100	395 455 485	470 500 555	110 110 110	25 30 25	229 267 292	165 165 254	210 210 300	4 4 8	ØQ 22 22 18	480 582 625	Kg 250 340 450	
Nominal Size 550 650 700 750	ØA 532 640 690 735	635 740 805 855	55 60 70 70	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100	395 455 485 540	470 500 555 590	110 110 110 110	25 30 25 30	229 267 292 292	165 165 254 254	210 210 300 300	4 4 8 8	ØQ 22 22 18 18	480 582 625 675	Kg 250 340 450 580	
Nominal Size 550 650 700 750 800	ØA 532 640 690 735 790	635 740 805 855 910	55 60 70 70 80	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110	395 455 485 540 550	470 500 555 590 620	110 110 110 110 120	25 30 25 30 30	229 267 292 292 318	165 165 254 254 254	210 210 300 300 300	4 4 8 8 8	 ∅Q 22 22 18 18 18 	480 582 625 675 723	Kg 250 340 450 580 690	6
Nominal Size 550 650 700 750 800 900	ØA 532 640 690 735 790 890	635 740 805 855 910 1005 1110	55 60 70 70 80 90	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110 2-25x14x110	395 455 485 540 550 650	470 500 555 590 620 660	110 110 110 110 120 120	25 30 25 30 30 30	229 267 292 292 318 330	165 165 254 254 254 254	210 210 300 300 300 300	4 8 8 8 8	ØQ 22 22 18 18 18 18	480 582 625 675 723 816	Kg 250 340 450 580 690 790	
Nominal Size 550 650 700 750 800 900 1000	ØA 532 640 690 735 790 890 985 1085	635 740 805 855 910 1005 1110	55 60 70 70 80 90 90 105	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110 2-25x14x110 2-25x14x110	395 455 485 540 550 650 680	470 500 555 590 620 660 740	110 110 110 110 120 120 120	25 30 25 30 30 30 30 30	229 267 292 292 318 330 410	165 165 254 254 254 254 254	210 210 300 300 300 300 300	4 4 8 8 8 8 8	 ØQ 22 22 18 18 18 18 18 18 	480 582 625 675 723 816 896	Kg 250 340 450 580 690 790 1040	
Nominal Size 550 650 700 750 800 900 1000 1100	ØA 532 640 690 735 790 890 985 1085	635 740 805 855 910 1005 1110 1220 1325	55 60 70 70 80 90 90 105 110	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110 2-25x14x110 2-25x14x110 2-28x16x110	395 455 485 540 550 650 680 767	470 500 555 590 620 660 740 800	110 110 110 120 120 120 120	25 30 25 30 30 30 30 40	229 267 292 292 318 330 410 410	165 165 254 254 254 254 254 254 254	210 210 300 300 300 300 300 300 350	4 8 8 8 8 8 8 8 8 8 8 8	 ØQ 22 22 18 18 18 18 18 18 18 22 	480 582 625 675 723 816 896 1005	Kg 250 340 450 580 690 790 1040 1460	
Nominal Size 550 650 700 750 800 900 1000 1100 1200	ØA 532 640 690 735 790 890 985 1085 1185 1285	635 740 805 855 910 1005 1110 1220 1325	55 60 70 70 80 90 90 105 110 110	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110 2-25x14x110 2-25x14x110 2-28x16x110 2-28x16x140	395 455 485 540 550 650 680 767 845	470 500 555 590 620 660 740 800 950	110 110 110 120 120 120 120 120 160	25 30 25 30 30 30 30 40 40	229 267 292 318 330 410 410 470	165 165 254 254 254 254 254 254 254 298 356	210 210 300 300 300 300 300 350 415	4 8 8 8 8 8 8 8 8 8 8	 ØQ 22 22 18 18 18 18 18 22 33 	480 582 625 675 723 816 896 1005 1088	Kg 250 340 450 580 690 790 1040 1460 1640	
Nominal Size 550 650 700 750 800 900 1000 1100 1200 1300	ØA 532 640 690 735 790 890 985 1085 1185 1285	635 740 805 855 910 1005 1110 1220 1325 1430	55 60 70 70 80 90 90 105 110 110 120	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110 2-25x14x110 2-25x14x110 2-28x16x110 2-28x16x140 2-28x16x140	395 455 540 550 650 680 767 845 870 925	470 500 555 590 620 660 740 800 950 950 990	110 110 110 120 120 120 120 120 160 160 160	25 30 25 30 30 30 30 40 40 50	229 267 292 318 330 410 410 470	165 165 254 254 254 254 254 254 254 298 356 356	210 210 300 300 300 300 300 350 415 415	4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	 <i>∞</i>Q 22 22 18 18 18 18 18 18 22 33 33 	480 582 625 675 723 816 896 1005 1088 1196	Kg 250 340 450 580 690 790 1040 1460 1800	
Nominal Size 550 650 700 750 800 900 1000 1100 1200 1300 1400	ØA 532 640 690 735 790 890 985 1085 1185 1285 1385 1477	635 740 805 855 910 1005 1110 1220 1325 1430 1535	55 60 70 70 80 90 90 105 110 110 120 135	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110 2-25x14x110 2-25x14x110 2-28x16x110 2-28x16x140 2-28x16x140 2-32x18x140	395 455 540 550 650 680 767 845 870 925 1000	470 500 555 620 660 740 800 950 950 990 1050	110 110 110 120 120 120 120 120 120 160 160 160	25 30 25 30 30 30 30 40 40 50 50	229 267 292 318 330 410 410 470 470 530	165 165 254 254 254 254 254 254 298 356 356 356	210 210 300 300 300 300 300 350 415 415 415	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	©Q 22 18 18 18 18 18 18 18 18 22 33 33 33 33	480 582 625 723 816 896 1005 1088 1196 1280	Kg 250 340 450 580 690 790 1040 1460 1800 2475	
Nominal Size 550 650 700 750 800 900 1000 1100 1200 1300 1400 1500	ØA 532 640 690 735 790 890 985 1085 1185 1285 1385 1477 1568	635 740 805 855 910 1005 1110 1220 1325 1430 1535 1645	55 60 70 80 90 105 110 110 120 135 150	Key No-size 1-16x10x100 1-18x11x100 1-20x12x100 1-20x12x100 1-22x14x110 2-25x14x110 2-25x14x110 2-28x16x110 2-28x16x140 2-28x16x140 2-32x18x140 2-36x20x140	395 455 540 550 650 680 767 845 870 925 1000 1085	470 500 555 620 660 740 800 950 950 950 990 1050 1150	110 110 110 120 120 120 120 120 160 160 160 160 160	25 30 25 30 30 30 30 40 40 50 50 50	229 267 292 318 330 410 410 470 470 530 600	165 165 254 254 254 254 254 254 254 298 356 356 356 406	210 210 300 300 300 300 300 350 415 415 415 415	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	©Q 22 18 18 18 18 18 18 18 22 33 33 33 33 33 33 33	480 582 625 723 816 896 1005 1088 1196 1280 1350	Kg 250 340 450 580 690 790 1040 1460 1640 1800 2475 2710	



Valve Dimensions for PN16 Double Flange Valves

Face-to-face length

Type BA double flanged valves meet the requirements of BS EN 558 /ISO 5752 Basic Series 13.

PN10 also available as standard, plus BS 10 Table E

Full range of sizes DN50 to DN2400 also available.

✤ Note:

Please refer to General Arrangement Drawing for full details of valves

Marking	 All valves are marked with the following information:- Size PN rating 'Duvalco' Material - SG GGG50 EN 593 Year of manufacture
Packing	All valves will be despatched properly packed, with all items separated to avoid damage to coating, castings, facings, flange faces, etc.