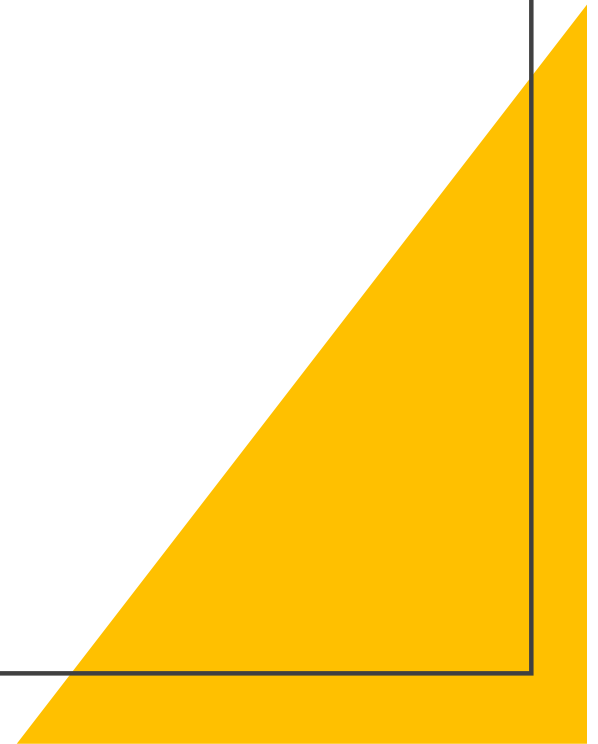
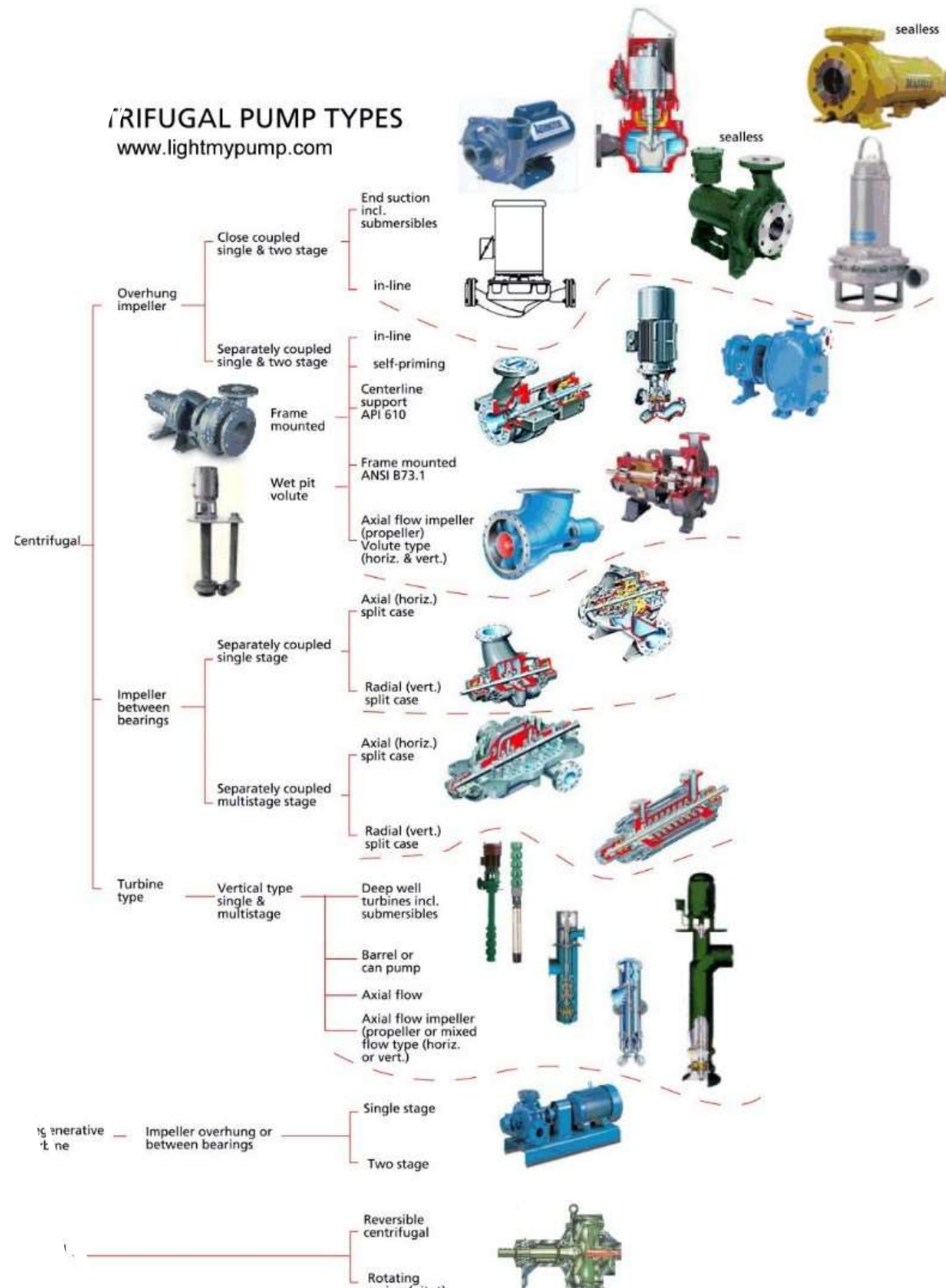


Classification of Centrifugal pump

Prepared by : Kirit Domadiya



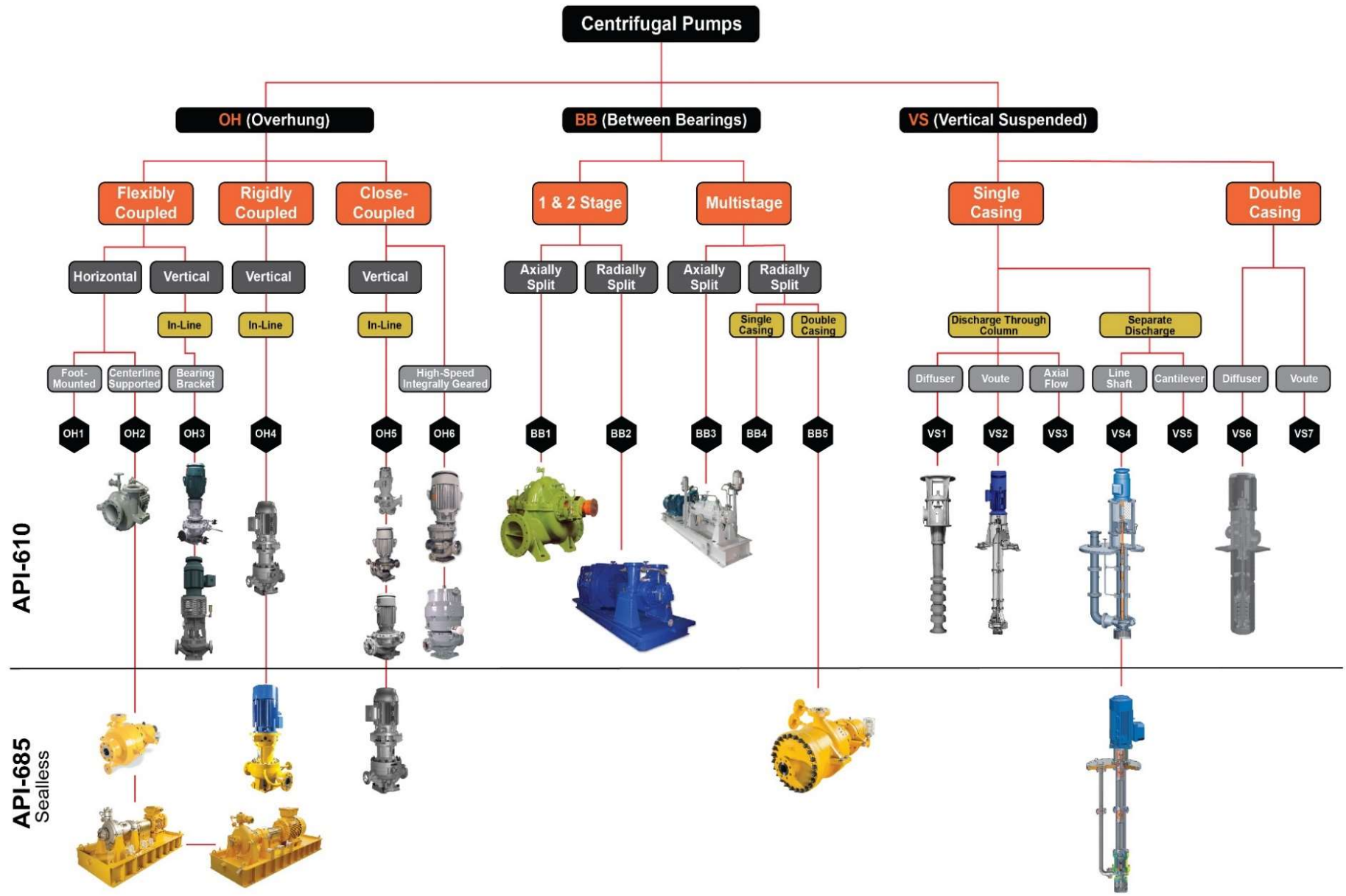
General Classification Types of pumps



API 610 classification (12th edition)

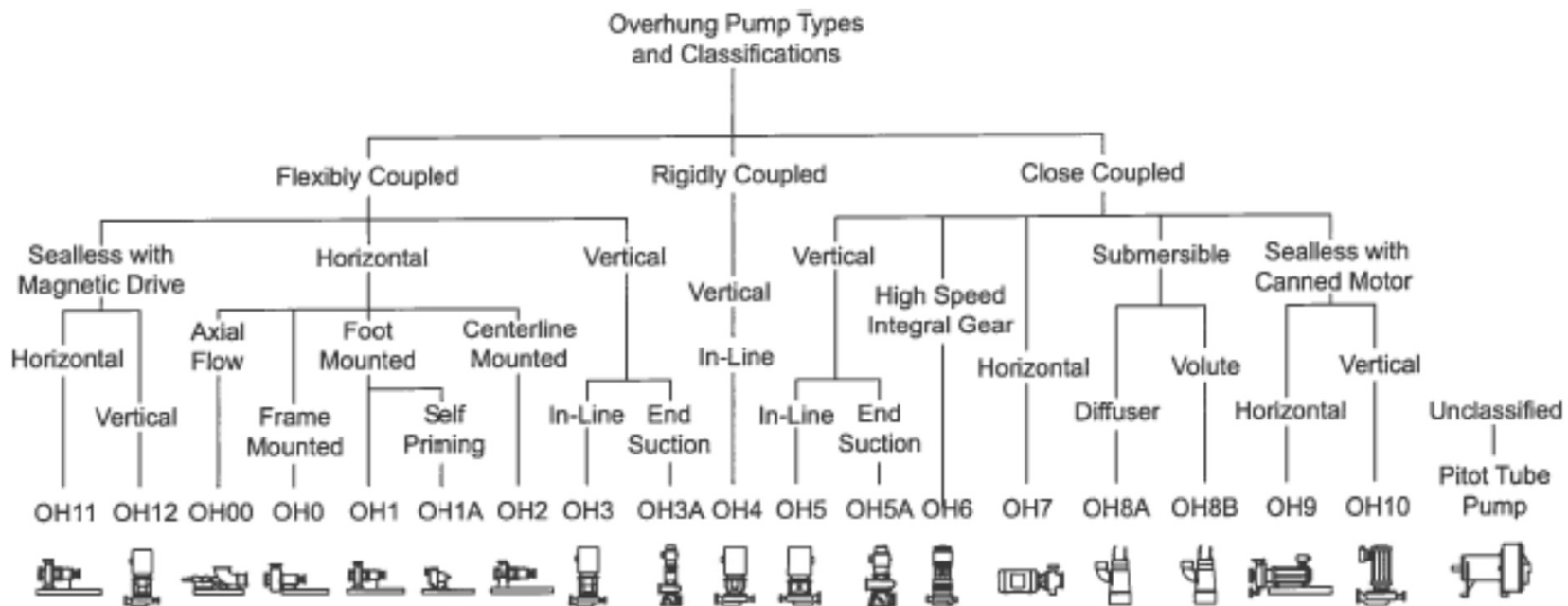
Pump Type ^a			Description		Type Code
Centrifugal pumps	Overhung	Flexibly coupled	Horizontal	Foot-mounted	OH1
				Centerline-supported	OH2
		Rigidly coupled	Vertical in-line with bearing bracket	—	OH3
			Vertical in-line	—	OH4
		Close-coupled	Vertical in-line	—	OH5
			High-speed integrally geared	—	OH6
	Between-bearings	1- and 2-stage	Axially split	Foot-mounted	BB1-A
			Axially split	Near-centerline mounted	BB1-B
			Radially split	Centerline supported	BB2
		Multistage	Axially split	Near-centerline supported	BB3
			Radially split	Single casing	BB4
				Double casing	BB5
	Vertically suspended	Single casing	Discharge through column	—	VS1
				—	VS2
				—	VS3
			Separate discharge pipe	Line shaft	VS4
				Cantilever shaft	VS5
		Double casing	Radially split	—	VS6
				—	VS7

Various API pump types – How it looks



API pump models of several key global OEMs

	API Pump Type	Description									
Over Hung / Single Stage	OH1	Foot Mounted	Not Applicable								
	OH2	Centreline Mounted	SMK	HPX/PHL	OHH/PRE	3700	RPH	UCW/UCS	SCE	TC	CUPOH2
	OH3	Vertical Inline Flexibly Coupled, Bearing bracket	LMV 801 CS	PVXM/HWMA HPX-V	OHV	3910			SPI	VP	CUPOH3
	OH4	Vertical Inline Rigidly Coupling		MSP/DSVP				LPWM			CUPOH4
	OH5	Vertical Inline Close Coupled	LMV 80X	PVML		3900		LPW	SPN		
	OH6	High Speed Integrally Geared	LMV 3XX HMP/BMP								
Between Bearing	BB1	1 Or 2 Stage / Axially split	LH/PDH	LPN/DVSH UZDL	HSA / HSB	3610			ZM/ZLM	DVS/DVE/BF	CUPBB1
	BB2	1 Or 2 Stage / Radially split	KSMK	HDX / DVSR HED	BBS / BBT	3620/3640	RPHb	KS	HVN/RON	DVSHF/THF	CUPBB2
	BB3	Multistage / Axially split	DVMX	DMX	MSD	3600	CHTRa	SP/SPD	JTN/SM	MSN	CUPBB3
	BB4	Multistage / Radially split Single Casing	Not Applicable								
	BB5	Multistage / Radially split Double Casing		BP/WCC HDO	CP/GSG	7200SB 7200 CB	CHTR	DCS/DSD HSB/HDB	A LINE	DDHF-M/DDM	CUPBB5HP CUPBB5V
Vertical Suspended	VS1	Single Casing / Discharge through Column / Diffuser	FG	WUJ	SJD	VIT	WKB		VTD/VCT		CUPVS1
	VS2	Single Casing / Discharge through Column / Volute	FQ	QL		VIT			DSV/DX		
	VS3	Single Casing / Discharge through Column / Axial							VAF		
	VS4	Single Casing / Separate Discharge / Line Shaft	VSMK	ECPJ	OCV	API 3171	RPH-V	VPS/VPW	VSP		CUPVS4
	VS5	Single Casing / Separate Discharge / Cantilever	Almost no application in API market segment								
	VS6	Double Casing / Diffuser	FGB/TKVB	WUC	SJD	VIC	WKTR	VPCS/VPCH	VLT/VMT	VCD/VD/VDA	CUPVS6
	VS7	Double Casing / Volute	FQB	QLC		VIC			DSV/DX	VCMS/VMS	



ANSI / HI Pump Classification

