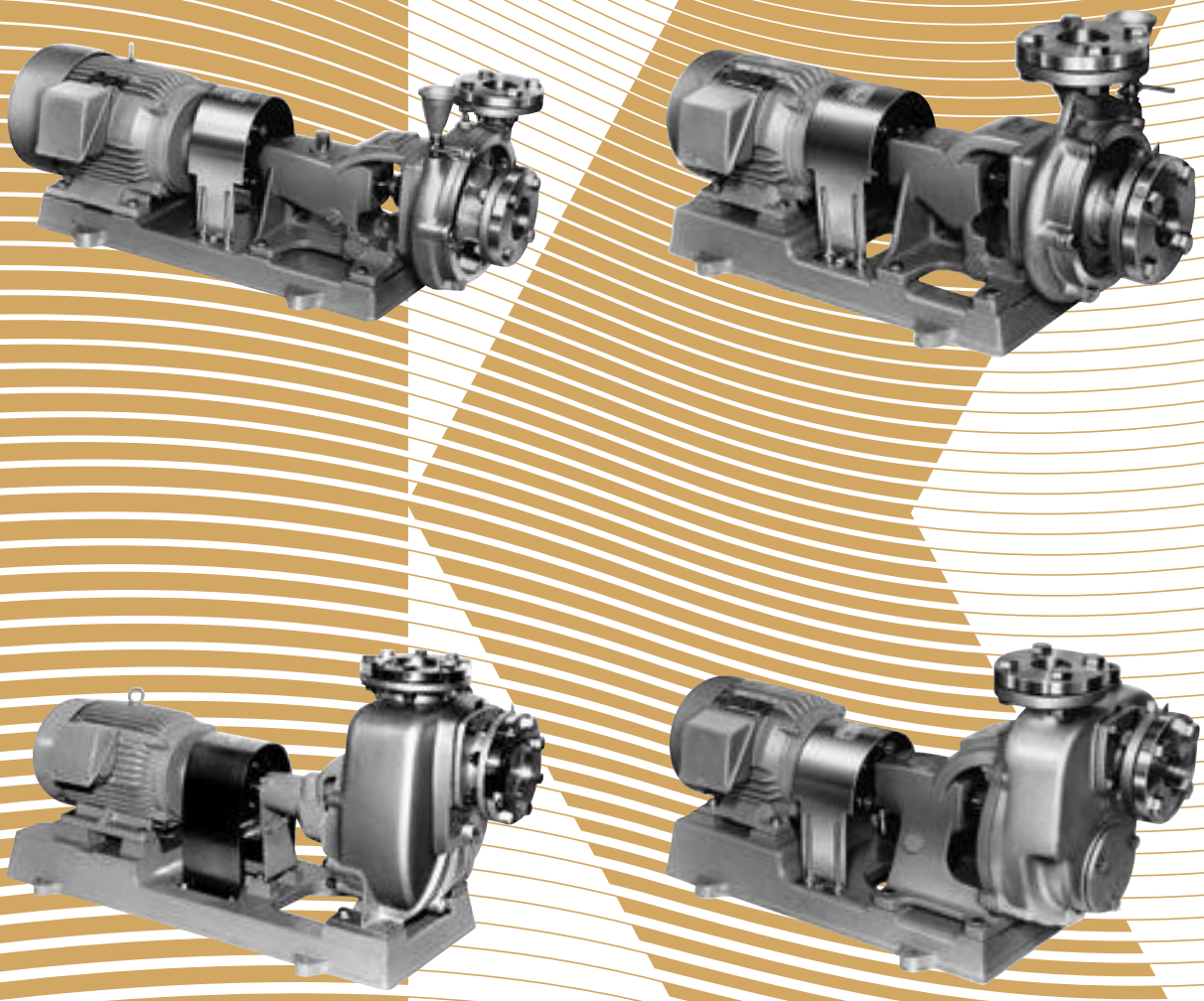
Kawamoto

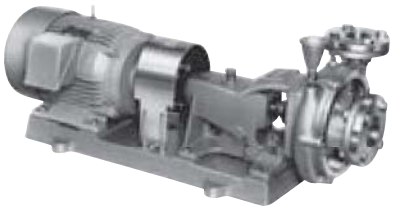
STAINLESS STEEL PUMP



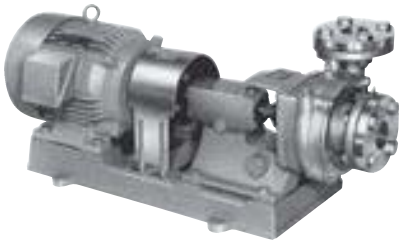
KAWAMOTO PUMP MFG. CO., LTD.

CENTRIFUGAL PUMP

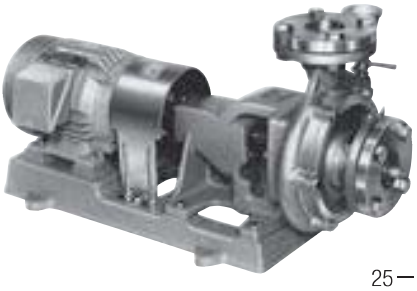
QFS・QUFS・QUAS・QJS



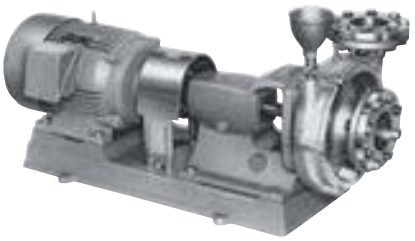
25—100 mm ϕ
0.4—22 kw 2P



QFS・QFSH

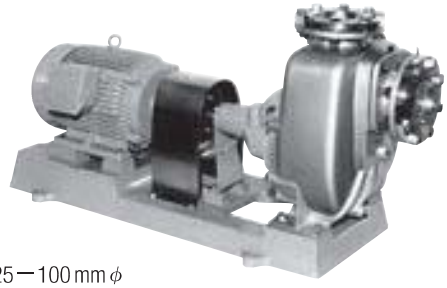


25—200 mm ϕ
0.2—45 kw 4P

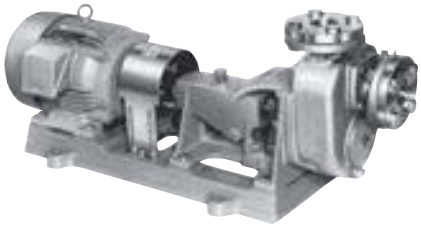


SELF-PRIMING PUMP

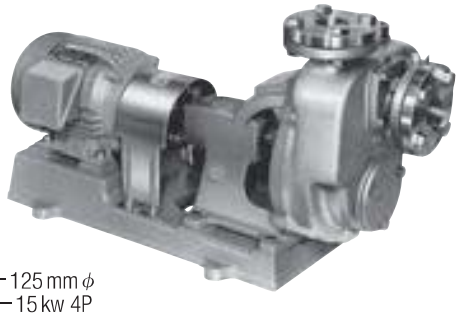
QSPS・QUPS・QJPS



25—100 mm ϕ
0.4—18.5 kw 2P



QSPS・QPSH



25—125 mm ϕ
0.2—15 kw 4P

When making inquiries about pumps, please let us have the following informations.

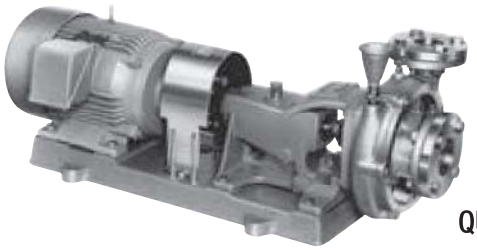
1. Character of the liquid

name of liquid	
Temperature	°C
Specific gravity	
Viscosity	CP.
Density	
PH value	
Vapor pressure	kgf/cm^2 abs
Solid	%

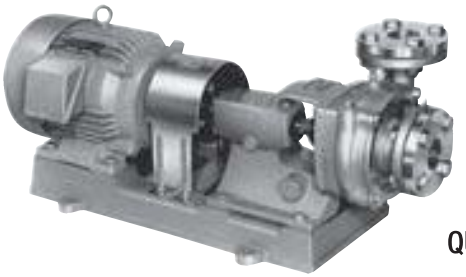
2. Materials: SUS304 or SUS316 or SUS316L or SUS329J4L or SUS329J1
3. Shaft sealing: Gland packing or mechanical seal

CENTRIFUGAL PUMP

QFS - QUFS - QUAS - QJS



QUFS



QUAS

(Companion flanges are optional accessories)

STANDARD SPECIFICATIONS

Liquid	Kind	Clean water Special kind liquid Food, beverage, liquor industry Chemical industry Water treatment Electronics industry Cool and hot water circuration
	Temperature	0 ~ 80°C* (Varies with the liquid)
Material	Impeller Shaft Casing	Stainless steel casting (SCS13) Stainless steel (SUS304) Stainless steel casting (SCS13)
Motor	Kind Power source Speed Starting	Totally enclosed fan cooled AC, three phase 50Hz: 3000 rpm 60Hz: 3600 rpm D.O.L. & star-delta
Construction	Impeller	Closed
	Driving method	Electric motor direct coupled
	Shaft sealing	Gland packing or mechanical seal

* *Construction of shaft sealing part and bearing part are modified to water cooling type when liquid temperature exceeds 80°C.*

ALTERABLE SPECIFICATION

Material	SUS316 (SCS14) SUS316L (SCS16) SUS329J4L (SCS10) SUS329J1 (SCS11)
Construction of impeller	ask
High tempreture	80~180℃
Low tempreture	-20~0℃

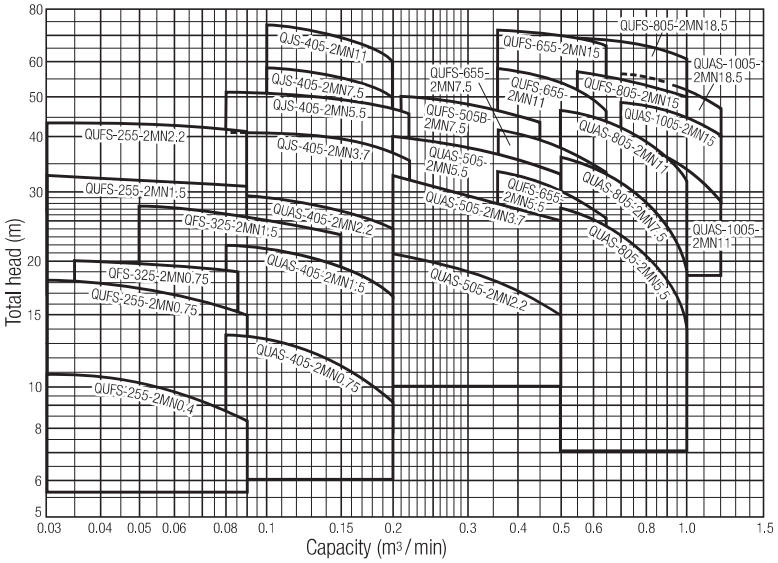
MAXIMUM BACK PRESSURE

Seal type	Gland packing	1.1 (MPa) - Total head at zero flow (MPa)
Seal type	Mechanical seal type	0.49 (MPa) - Total head at zero flow (MPa)*

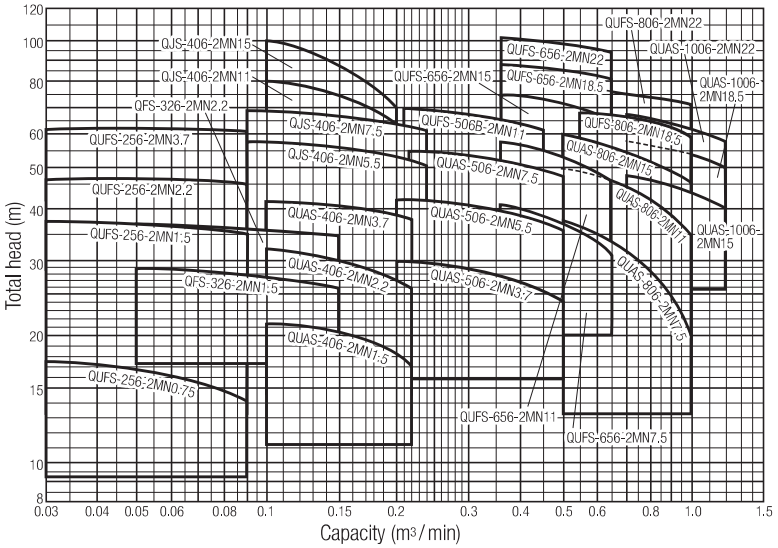
* *In case of back pressure with Total head at zero flow exceeds 0.49MPa, please ask.*

SELECTION CHART

50Hz
3,000r.p.m



60Hz
3,600r.p.m



SELECTION TABLE

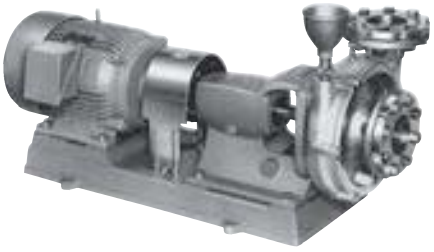
Frequency	Bore	MODEL	Motor	Standard performance					
				Capacity	Total head	Capacity	Total head	Capacity	Total head
Hz	mm		kw	m³/min	m	m³/min	m	m³/min	m
50	25	QUFS-255-2MN0.4	0.4	0.03	10.8	0.06	9.8	0.09	8.4
		QUFS-255-2MN0.75	0.75	0.03	18	0.06	16.8	0.09	14.8
		QUFS-255-2MN1.5	1.5	0.03	33	0.06	32	0.09	31
		QUFS-255-2MN2.2	2.2	0.03	43	0.06	42.4	0.09	41.5
	32	QFS-325-2MN0.75	0.75	0.035	20	0.06	19.5	0.085	19
		QFS-325-2MN1.5	1.5	0.05	27.5	0.1	25	0.15	23.5
	40	QUAS-405-2MN0.75	0.75	0.08	13.5	0.14	12	0.2	9
		QUAS-405-2MN1.5	1.5	0.08	22	0.14	20	0.2	17
		QUAS-405-2MN2.2	2.2	0.08	29	0.14	27	0.2	24
	40×32	QJS-405-2MN3.7	3.7	0.08	41	0.15	39	0.22	36
		QJS-405-2MN5.5	5.5	0.08	51	0.15	49	0.22	46
		QJS-405-2MN7.5	7.5	0.1	58	0.15	55	0.2	50
		QJS-405-2MN11	11	0.1	74	0.15	69	0.2	60
	50	QUAS-505-2MN2.2	2.2	0.2	21	0.35	18	0.5	15
		QUAS-505-2MN3.7	3.7	0.2	32	0.35	29.5	0.5	25
		QUAS-505-2MN5.5	5.5	0.2	39	0.35	36.5	0.5	33
	65×50	QUFS-505B-2MN7.5	7.5	0.21	50	0.32	48	0.45	44
	80×65	QUFS-655-2MN5.5	5.5	0.36	33	0.5	30	0.65	25
		QUFS-655-2MN7.5	7.5	0.36	41	0.5	37.5	0.65	33
		QUFS-655-2MN11	11	0.36	58	0.5	54	0.65	46
	65×65	QUFS-655-2MN15	15	0.36	72	0.5	70	0.65	66
	80	QUAS-805-2MN5.5	5.5	0.5	27	0.75	22	1.0	14
		QUAS-805-2MN7.5	7.5	0.5	36	0.75	30	1.0	19
		QUAS-805-2MN11	11	0.5	46	0.75	41	1.0	31
	80×80	QUFS-805-2MN15	15	0.55	57	0.75	54	1.0	50
		QUFS-805-2MN18.5	18.5	0.55	69	0.75	67	1.0	61
	100	QUAS-1005-2MN11	11	0.7	38	1.0	33	1.2	28
		QUAS-1005-2MN15	15	0.7	49	1.0	45	1.2	40
		QUAS-1005-2MN18.5	18.5	0.7	56	1.0	52	1.2	48
60	25	QUFS-256-2MN0.75	0.75	0.03	17.5	0.06	16	0.09	14
		QUFS-256-2MN1.5	1.5	0.03	37.5	0.06	36.5	0.09	35
		QUFS-256-2MN2.2	2.2	0.03	47.5	0.06	46	0.09	45
		QUFS-256-2MN3.7	3.7	0.03	63.5	0.06	63	0.09	62
	32	QFS-326-2MN1.5	1.5	0.05	29	0.1	27.7	0.15	26
		QFS-326-2MN2.2	2.2	0.05	37.5	0.1	36	0.15	35
	40	QUAS-406-2MN1.5	1.5	0.1	21	0.16	20	0.22	17
		QUAS-406-2MN2.2	2.2	0.1	32	0.16	30	0.22	26
		QUAS-406-2MN3.7	3.7	0.1	42	0.16	40	0.22	38
	40×32	QJS-406-2MN5.5	5.5	0.09	57	0.18	54	0.24	51
		QJS-406-2MN7.5	7.5	0.09	69	0.18	66	0.24	63
		QJS-406-2MN11	11	0.1	80	0.15	75	0.2	64
		QJS-406-2MN15	15	0.1	100	0.15	87	0.2	70
	50	QUAS-506-2MN3.7	3.7	0.2	30	0.35	28	0.5	24
		QUAS-506-2MN5.5	5.5	0.2	42	0.35	40	0.5	36
		QUAS-506-2MN7.5	7.5	0.2	55	0.35	52	0.5	48
	65×50	QUFS-506B-2MN11	11	0.21	69	0.32	67	0.45	62
	80×65	QUFS-656-2MN7.5	7.5	0.36	40.5	0.5	37	0.65	31
		QUFS-656-2MN11	11	0.36	58	0.5	54	0.65	47
		QUFS-656-2MN15	15	0.36	75	0.5	72	0.65	65
	65×65	QUFS-656-2MN18.5	18.5	0.36	88	0.5	87	0.65	81
		QUFS-656-2MN22	22	0.36	101	0.5	99	0.65	94
	80	QUAS-806-2MN7.5	7.5	0.5	37	0.75	31	1.0	20
		QUAS-806-2MN11	11	0.5	50	0.75	44	1.0	35
		QUAS-806-2MN15	15	0.5	60	0.75	54	1.0	46
	80×80	QUFS-806-2MN18.5	18.5	0.55	68	0.75	65	1.0	59
		QUFS-806-2MN22	22	0.55	78	0.75	76	1.0	71
	100	QUAS-1006-2MN15	15	0.7	48	1.0	44	1.2	40
		QUAS-1006-2MN18.5	18.5	0.7	58	1.0	54	1.2	50
		QUAS-1006-2MN22	22	0.7	68	1.0	63	1.2	58

Performance subject to change without prior notice

CENTRIFUGAL PUMP

QFS-QFSH

QFS



QFSH

(Companion flanges are optional accessories)

STANDARD SPECIFICATIONS

Liquid	Kind	Clean water Special kind liquid Food, beverage, liquor industry Chemical industry Water treatment Electronics industry Cool and hot water circuration
	Temperature	0 ~ 80°C* (Varies with the liquid)
Material	Impeller Shaft Casing	Stainless steel casting (SCS13) Stainless steel (SUS304) Stainless steel casting (SCS13)
Motor	Kind Power source Speed Starting	Totally enclosed fan cooled AC, three phase 50Hz: 1500 rpm 60Hz: 1800 rpm D.O.L. & star-delta
Construction	Impeller	ask
	Driving method	Electric motor direct coupled
	Shaft sealing	Gland packing or mechanical seal

* *Construction of shaft sealing part and bearing part are modified to water cooling type when liquid temperature exceeds 80°C.*

ALTERABLE SPECIFICATION

Material	SUS316 (SCS14) SUS316L (SCS16) SUS329J4L (SCS10) SUS329J1 (SCS11)
Construction of impeller	ask
High tempreture	80～180℃
Low tempreture	-20～0℃

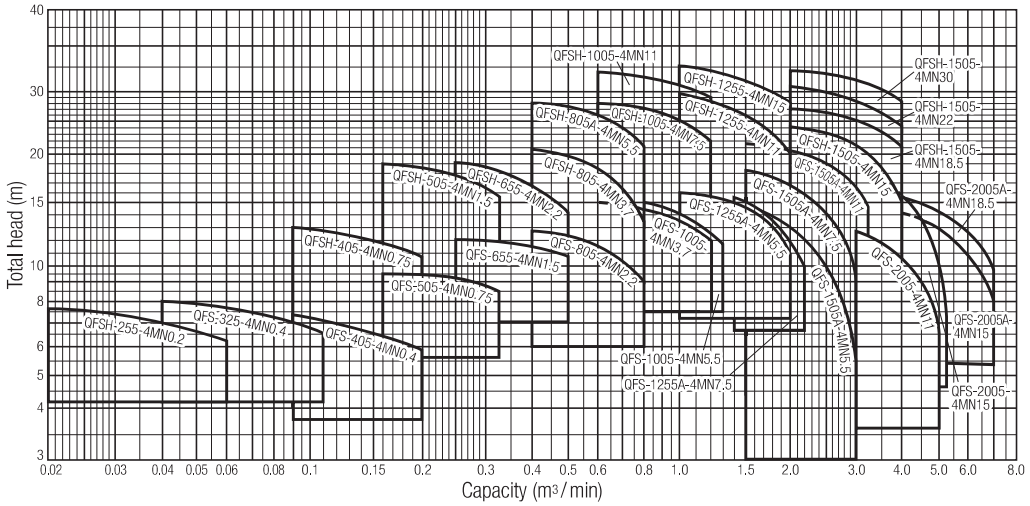
MAXIMUM BACK PRESSURE

Seal type	Gland packing	1.1 (MPa) - Total head at zero flow (MPa)
Seal type	Mechanical seal type	0.49 (MPa) - Total head at zero flow (MPa)*

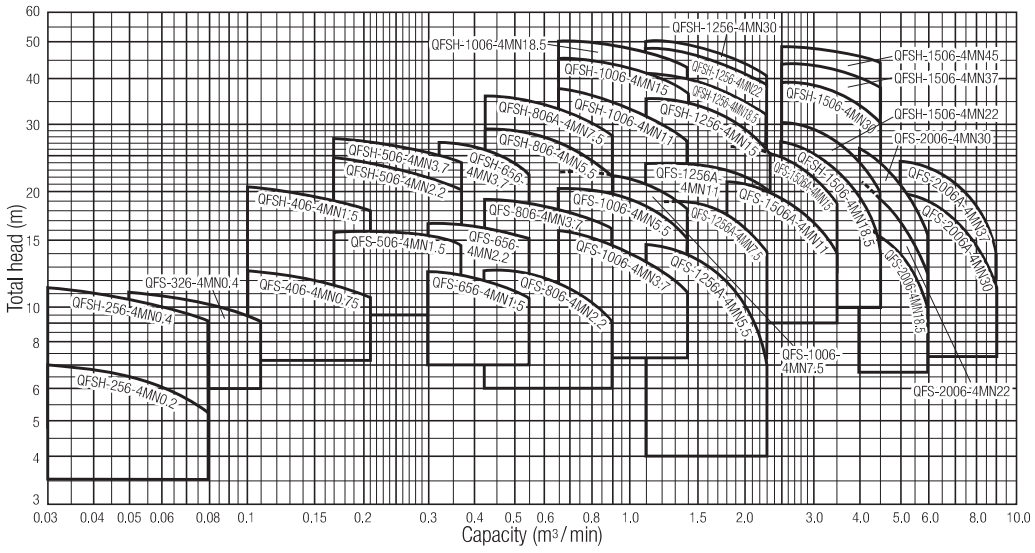
* *In case of back pressure with Total head at zero flow exceeds 0.49MPa, please ask.*

SELECTION CHART

50Hz
1,500r.p.m



60Hz
1,800r.p.m



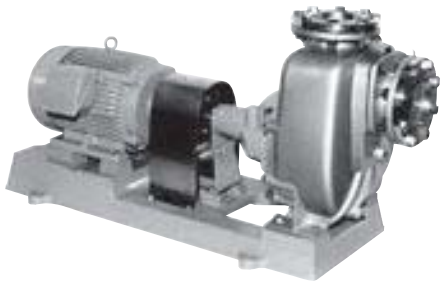
SELECTION TABLE

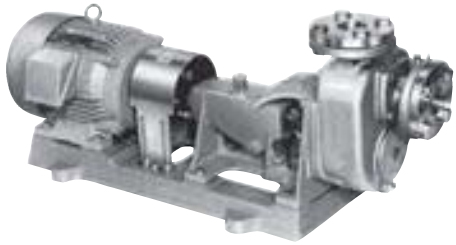
Frequency	Bore	MODEL	Motor	Standard performance					
				Capacity	Total head	Capacity	Total head	Capacity	Total head
Hz	mm		kw	m³/min	m	m³/min	m	m³/min	m
50	25	QFSH-255-4MN0.2	0.2	0.02	7.6	0.04	7	0.06	6.2
	32	QFS-325-4MN0.4	0.4	0.04	8	0.07	7.5	0.11	6.5
	40	QFS-405-4MN0.4	0.4	0.09	7.4	0.15	6.6	0.2	5.8
		QFSH-405-4MN0.75	0.75	0.09	13	0.15	12	0.2	10.5
	50	QFS-505-4MN0.75	0.75	0.16	9.4	0.25	9.2	0.32	8.5
		QFSH-505-4MN1.5	1.5	0.16	19	0.25	17.5	0.32	15.5
	65	QFS-655-4MN1.5	1.5	0.25	12	0.4	11.2	0.5	10.6
		QFSH-655-4MN2.2	2.2	0.25	19	0.4	16.5	0.5	14
	80	QFS-805-4MN2.2	2.2	0.4	12.5	0.6	11.4	0.8	9
		QFSH-805-4MN3.7	3.7	0.4	20.5	0.6	18.2	0.8	13.5
		QFSH-805A-4MN5.5	5.5	0.4	28	0.6	26	0.8	21
	100	QFS-1005-4MN3.7	3.7	0.6	15	0.9	14	1.2	12
		QFS-1005-4MN5.5	5.5	0.8	15	1.0	14	1.3	11.5
		QFSH-1005-4MN7.5	7.5	0.6	28	0.9	26	1.2	22
		QFSH-1005-4MN11	11	0.6	34	0.9	32	1.2	29
	125	QFS-1255A-4MN5.5	5.5	1.0	16	1.5	14.5	2.0	11
		QFS-1255A-4MN7.5	7.5	1.4	15.5	1.8	13	2.2	10
		QFSH-1255-4MN11	11	1.0	29	1.5	26	2.0	20
		QFSH-1255-4MN15	15	1.0	35	1.5	32	2.0	27.5
	150	QFS-1505A-4MN5.5	5.5	1.5	15	2.5	10	3.0	5
		QFS-1505A-4MN7.5	7.5	1.5	17.8	2.5	14	3.0	9
		QFS-1505A-4MN11	11	1.5	21.4	2.5	19	3.2	14.5
		QFSH-1505-4MN15	15	2.0	24	3.0	21	4.0	16
		QFSH-1505-4MN18.5	18.5	2.0	27	3.0	25	4.0	20.5
		QFSH-1505-4MN22	22	2.0	31	3.0	28	4.0	24
		QFSH-1505-4MN30	30	2.0	33.5	3.0	31.5	4.0	27.5
	200	QFS-2005-4MN11	11	3.0	12.5	4.0	10.5	5.0	5.5
		QFS-2005-4MN15	15	3.0	19.5	4.0	15.7	5.2	7
		QFS-2005A-4MN15	15	4.0	14	5.5	12	7.0	8
		QFS-2005A-4MN18.5	18.5	4.0	15.5	5.5	13.5	7.0	9.5
60	25	QFSH-256-4MN0.2	0.2	0.03	7	0.05	6.5	0.08	5.3
		QFSH-256-4MN0.4	0.4	0.03	11.2	0.05	10.4	0.08	9
	32	QFS-326-4MN0.4	0.4	0.05	11	0.08	10	0.11	9
	40	QFS-406-4MN0.75	0.75	0.1	12.7	0.15	12	0.21	10.8
		QFSH-406-4MN1.5	1.5	0.1	20.5	0.15	19.5	0.21	18
	50	QFS-506-4MN1.5	1.5	0.17	16	0.26	15.5	0.36	14.5
		QFSH-506-4MN2.2	2.2	0.17	24.5	0.26	22.5	0.36	20
		QFSH-506-4MN3.7	3.7	0.17	27.5	0.26	26	0.36	24
	65	QFS-656-4MN1.5	1.5	0.3	12.2	0.45	11.5	0.55	10.5
		QFS-656-4MN2.2	2.2	0.3	16.7	0.45	15.8	0.55	15
		QFSH-656-4MN3.7	3.7	0.32	27	0.45	25	0.55	22
	80	QFS-806-4MN2.2	2.2	0.42	12.5	0.65	11.5	0.9	9
		QFS-806-4MN3.7	3.7	0.42	19	0.65	18	0.9	16
		QFSH-806-4MN5.5	5.5	0.42	29.5	0.65	27	0.9	21.5
		QFSH-806A-4MN7.5	7.5	0.42	36	0.65	33	0.9	28
	100	QFS-1006-4MN3.7	3.7	0.65	16	1.0	14	1.4	11
		QFS-1006-4MN5.5	5.5	0.65	20.4	1.0	19	1.4	15
		QFS-1006-4MN7.5	7.5	0.65	22.5	1.0	21.5	1.4	18
		QFSH-1006-4MN11	11	0.65	37.3	1.0	33.5	1.4	27.5
		QFSH-1006-4MN15	15	0.65	45	1.0	42	1.4	36
		QFSH-1006-4MN18.5	18.5	0.65	50	1.0	47.5	1.4	42.5
	125	QFS-1256A-4MN5.5	5.5	1.1	14.5	1.7	12.5	2.3	6
		QFS-1256A-4MN7.5	7.5	1.1	19.2	1.7	18	2.3	13.5
		QFS-1256A-4MN11	11	1.1	23.5	1.7	23	2.3	20
		QFSH-1256-4MN15	15	1.1	35.5	1.7	32	2.3	25
		QFSH-1256-4MN18.5	18.5	1.1	42	1.7	37.5	2.3	31.5
		QFSH-1256-4MN22	22	1.1	48	1.7	44	2.3	38
		QFSH-1256-4MN30	30	1.1	50	1.7	46	2.3	40
	150	QFS-1506A-4MN11	11	1.8	21.5	2.7	18.5	3.5	13.5
		QFS-1506A-4MN15	15	1.8	26.5	2.7	23.5	3.5	18
		QFSH-1506-4MN18.5	18.5	2.5	27	3.5	23	4.5	15
		QFSH-1506-4MN22	22	2.5	30.5	3.5	27	4.5	19.5
		QFSH-1506-4MN30	30	2.5	39	3.5	36	4.5	30
		QFSH-1506-4MN37	37	2.5	44	3.5	42	4.5	38
		QFSH-1506-4MN45	45	2.5	49	3.5	47	4.5	44
	200	QFS-2006-4MN18.5	18.5	4.0	17	5.0	14	6.0	10
		QFS-2006-4MN22	22	4.0	21	5.0	17	6.0	12
		QFS-2006-4MN30	30	4.0	26	5.0	21	6.0	15
		QFS-2006A-4MN30	30	5.0	20	7.0	17	9.0	11
		QFS-2006A-4MN37	37	5.0	24	7.0	21	9.0	14

Performance subject to change without prior notice

SELF PRIMING CENTRIFUGAL PUMP

QSPS - QUPS - QJPS





(Companion flanges are optional accessories)

STANDARD SPECIFICATIONS

Liquid	Kind	Clean water Special kind liquid Food, beverage, liquor industry Chemical industry Water treatment Cool and hot water circuration
	Temperature	0 ~ 80°C* (Varies with the liquid)
Material	Impeller Shaft Casing	Stainless steel casting (SCS13) Stainless steel (SUS304) Stainless steel casting (SCS13)
Motor	Kind Power source Speed Starting	Totally enclosed fan cooled AC, three phase 50Hz: 3000 rpm 60Hz: 3600 rpm D.O.L. & star-delta
Construction	Impeller	Semi-open
	Driving method	Electric motor direct coupled
	Shaft sealing	Gland packing or mechanical seal

* *Construction of shaft sealing part and bearing part are modified to water cooling type when liquid temperature exceeds 80°C.*

ALTERABLE SPECIFICATION

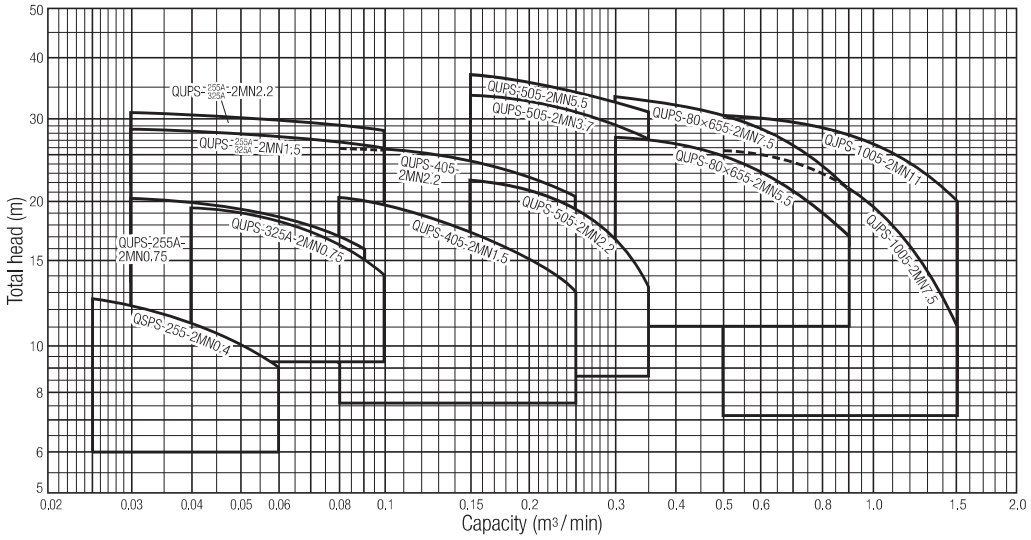
Material	SUS316 (SCS14) SUS316L (SCS16) SUS329J4L (SCS10) SUS329J1 (SCS11)

MAXIMUM BACK PRESSURE

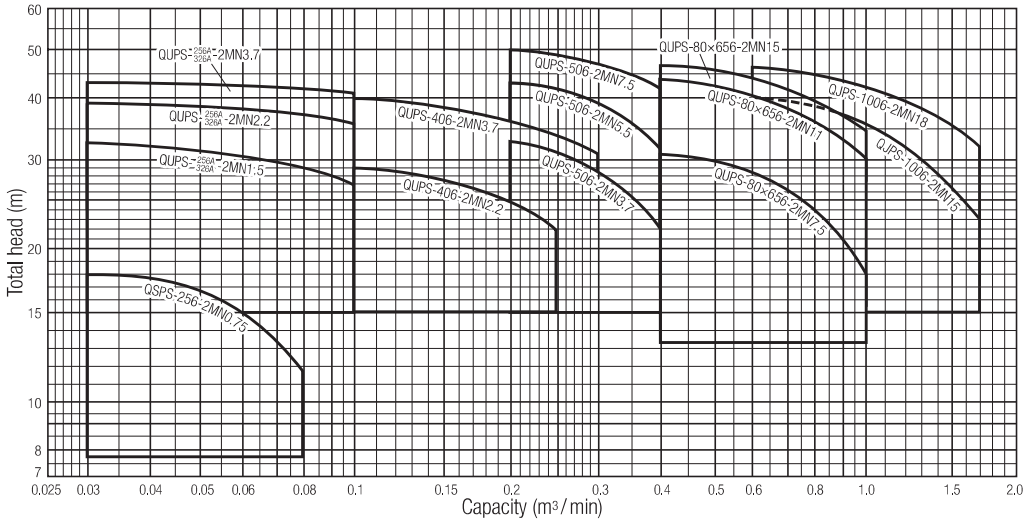
0.49 (MPa) - Total head at zero flow (MPa)

SELECTION CHART

50Hz
3,000r.p.m



60Hz
3,600r.p.m



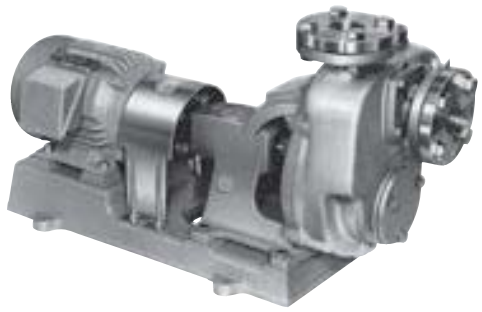
SELECTION TABLE

Frequency	Bore	MODEL	Motor	Standard performance					
				Capacity	Total head	Capacity	Total head	Capacity	Total head
Hz	mm		kw	m^3/min	m	m^3/min	m	m^3/min	m
50	25	QSPS-255-2MN0.4	0.4	0.025	12.5	0.04	11	0.06	9
		QUPS-255A-2MN0.75	0.75	0.03	20.2	0.06	18.5	0.09	16
		QUPS-255A-2MN1.5	1.5	0.03	28.2	0.06	27.2	0.09	26
		QUPS-255A-2MN2.2	2.2	0.03	30.5	0.06	29.6	0.09	28.8
	32	QUPS-325A-2MN0.75	0.75	0.04	19.5	0.07	17.6	0.1	14
		QUPS-325A-2MN1.5	1.5	0.04	27.8	0.07	26.8	0.1	25.2
		QUPS-325A-2MN2.2	2.2	0.04	30	0.07	29.2	0.1	28.2
	40	QUPS-405-2MN1.5	1.5	0.08	20.5	0.16	17	0.25	13
		QUPS-405-2MN2.2	2.2	0.08	26	0.16	24	0.25	20.5
	50	QUPS-505-2MN2.2	2.2	0.15	22	0.25	19	0.35	13
		QUPS-505-2MN3.7	3.7	0.15	33	0.25	31	0.35	27.5
		QUPS-505-2MN5.5	5.5	0.15	36.5	0.25	34	0.35	31
	80×65	QUPS-80×655-2MN5.5	5.5	0.3	27.5	0.6	23	0.9	17
		QUPS-80×655-2MN7.5	7.5	0.3	33	0.6	28.5	0.9	21
	100×80	QJPS-1005-2MN7.5	7.5	0.5	25.5	1.0	19.5	1.5	11
		QJPS-1005-2MN11	11	0.5	31	1.0	26.5	1.5	20
60	25	QSPS-256-2MN0.75	0.75	0.03	18	0.06	15	0.08	11.8
		QUPS-256A-2MN1.5	1.5	0.03	32.5	0.06	30.5	0.09	28
		QUPS-256A-2MN2.2	2.2	0.03	39.5	0.06	38.2	0.09	36.8
		QUPS-256A-2MN3.7	3.7	0.03	43.5	0.06	42.5	0.09	41.5
	32	QUPS-326A-2MN1.5	1.5	0.04	32	0.07	30	0.1	27
		QUPS-326A-2MN2.2	2.2	0.04	39	0.07	37.5	0.1	36
		QUPS-326A-2MN3.7	3.7	0.04	43.2	0.07	42.2	0.1	41
	40	QUPS-406-2MN2.2	2.2	0.1	29	0.18	26	0.25	22
		QUPS-406-2MN3.7	3.7	0.1	40	0.2	36	0.3	31
	50	QUPS-506-2MN3.7	3.7	0.2	33	0.3	29	0.4	22
		QUPS-506-2MN5.5	5.5	0.2	43	0.3	39	0.4	34
		QUPS-506-2MN7.5	7.5	0.2	50	0.3	47	0.4	42
	80×65	QUPS-80×656-2MN7.5	7.5	0.4	31	0.7	26	1.0	18
		QUPS-80×656-2MN11	11	0.4	44	0.7	38	1.0	30
		QUPS-80×656-2MN15	15	0.4	46	0.7	41	1.0	34
	100×80	QJPS-1006-2MN15	15	0.6	40	1.1	34	1.7	23
		QJPS-1006-2MN18	18.5	0.6	46	1.1	41	1.7	33

Performance subject to change without prior notice

SELF PRIMING CENTRIFUGAL PUMP

QSPS - QPSH



(Companion flanges are optional accessories)

STANDARD SPECIFICATIONS

Liquid	Kind	Clean water Special kind liquid Food, beverage, liquor industry Chemical industry Water treatment Cool and hot water circuration
	Temperature	0 ~ 80°C* (Varies with the liquid)
Material	Impeller Shaft Casing	Stainless steel casting (SCS13) Stainless steel (SUS304) Stainless steel casting (SCS13)
Motor	Kind Power source Speed Starting	Totally enclosed fan cooled AC, three phase 50Hz: 1500 rpm 60Hz: 1800 rpm D.O.L. & star-delta
Construction	Impeller	Semi-open(only QSPS-125 model has closed type)
	Driving method	Electric motor direct coupled
	Shaft sealing	Gland packing or mechanical seal

* *Construction of shaft sealing part and bearing part are modified to water cooling type when liquid temperature exceeds 80°C.*

ALTERABLE SPECIFICATION

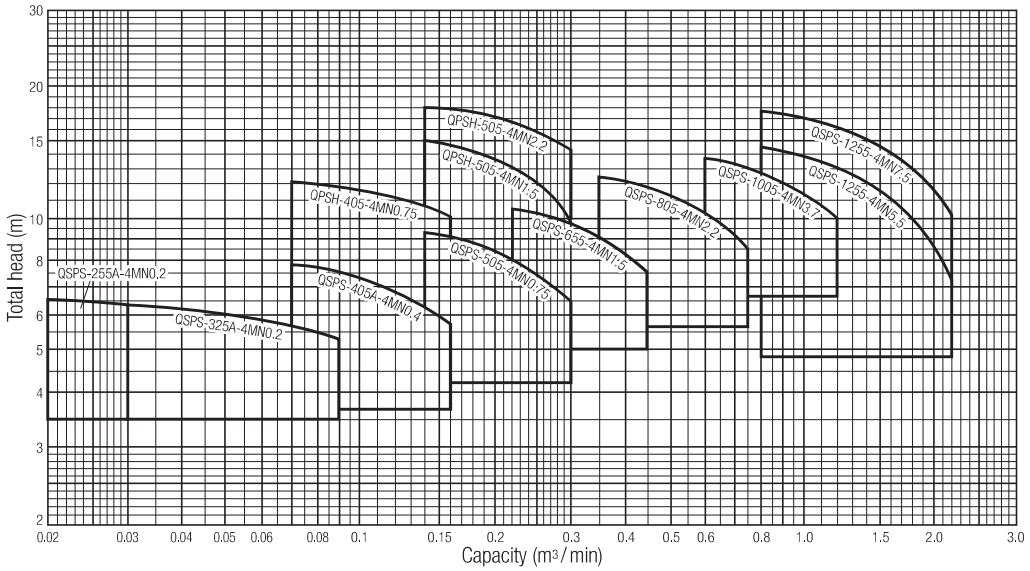
Material	SUS316 (SCS14) SUS316L (SCS16) SUS329J4L (SCS10) SUS329J1 (SCS11)

MAXIMUM BACK PRESSURE

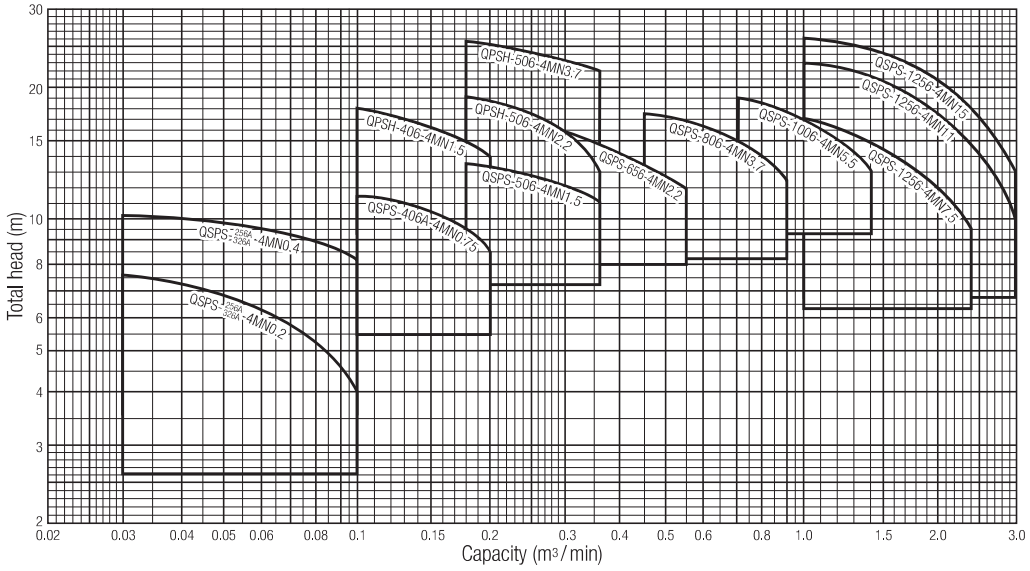
0.49 (MPa) - Total head at zero flow (MPa)

SELECTION CHART

50Hz
1,500r.p.m



60Hz
1,800r.p.m



SELECTION TABLE

Frequency	Bore	MODEL	Motor	Standard performance					
				Capacity	Total head	Capacity	Total head	Capacity	Total head
Hz	mm		kw	m³/min	m	m³/min	m	m³/min	m
50	25	QSPS-255A-4MN0.2	0.2	0.02	6.6	0.05	6	0.08	5.5
	32	QSPS-325A-4MN0.2	0.2	0.03	6.4	0.06	5.8	0.09	5.2
	40	QSPS-405A-4MN0.4	0.4	0.07	7.8	0.12	6.8	0.16	5.7
		QPSH-405-4MN0.75	0.75	0.07	12	0.12	11	0.16	10
	50	QSPS-505-4MN0.75	0.75	0.14	9.2	0.22	8	0.3	6.5
		QPSH-505-4MN1.5	1.5	0.14	15	0.22	13	0.3	10
		QPSH-505-4MN2.2	2.2	0.14	18	0.22	16.5	0.3	14.2
	65	QSPS-655-4MN1.5	1.5	0.22	10.4	0.35	9	0.45	7.5
	80	QSPS-805-4MN2.2	2.2	0.35	12.3	0.6	10.3	0.75	8.5
	100	QSPS-1005-4MN3.7	3.7	0.6	13.6	0.85	12.4	1.2	10
	125	QSPS-1255-4MN5.5	5.5	0.8	14.5	1.5	11.5	2.2	7.2
		QSPS-1255-4MN7.5	7.5	0.8	17.5	1.5	14.5	2.2	10.2
60	25	QSPS-256A-4MN0.2	0.2	0.03	7.5	0.06	6.3	0.09	4.6
		QSPS-256A-4MN0.4	0.4	0.03	10.2	0.06	9.5	0.09	8.6
	32	QSPS-326A-4MN0.2	0.2	0.04	7	0.07	5.7	0.1	4
		QSPS-326A-4MN0.4	0.4	0.04	10	0.07	9.2	0.1	8.2
	40	QSPS-406A-4MN0.75	0.75	0.1	11.5	0.15	10.5	0.2	8.6
		QPSH-406-4MN1.5	1.5	0.1	18	0.15	16	0.2	14
	50	QSPS-506-4MN1.5	1.5	0.18	13.8	0.26	12.8	0.36	11
		QPSH-506-4MN2.2	2.2	0.18	19	0.26	17	0.36	13
		QPSH-506-4MN3.7	3.7	0.18	25.5	0.26	24	0.36	22
	65	QSPS-656-4MN2.2	2.2	0.3	15.5	0.4	14	0.55	12
	80	QSPS-806-4MN3.7	3.7	0.45	17.6	0.7	15	0.9	12.5
	100	QSPS-1006-4MN5.5	5.5	0.7	19	1.1	16	1.4	13
	125	QSPS-1256-4MN7.5	7.5	1.0	17	1.6	14	2.4	9.5
		QSPS-1256-4MN11	11	1.0	23	2	17.5	3.0	10
		QSPS-1256-4MN15	15	1.0	26	2	20.5	3.0	13

Performance subject to change without prior notice

CHEMICAL RESISTANCE TABLE [REFERENCE ONLY]

LIQUID	SUS 304	SUS 316
Anilin	○	○
Acrylonitrile	○	○
Acetone Cyanhydrin	○	○
Acetaldehyde	○	○
Acetone 20°C	○	○
Sodiuh Alminate	○	○
Linseed OiL	○	○
Sulfurous Acid	△	△
Sodium Sulfite	○	○
Ammonium Sulfite	○	○
Sodium Phosphite	△	△
Benzoic Acid	○	○
Callium Chloride	△	○
Calcium Chloride	△	○
Ammonium Chloride	×	○
Zinc Chloride	×	×
Mercorous Chloride	×	△
Stannous Chloride 100%50°C	○	○
" 100%100°C	×	×
Stannic Chloride	×	×
Manganese Chloride	○	○
Magnesium Chloride	○	○
Ammonium Chloride	△	○
Calcium Chloride	○	○
Ethyl Chloride	○	○
Ferrous Chloride	×	×
Ferric Chloride	×	×
Copper Chloride	×	×
Methyl Chloride	○	○
Nickel Chloride	×	○
Sulfur Chloride	×	×
Barium Chloride	×	△
Aluminium Chloride	×	×
Potessium Chlorate	○	○
Aluminium	○	○
Ethyl Alcohol	○	○
Ether	○	○
Ethylene Glycol	○	○
Oieic Acid	△	○
Sodium Perchlorate	○	○
Potassium Permangate	○	○
Hydrogen Peroxide	○	○
Sodium Peroxide	○	○
Sodium Perdorate	○	○
Caustic otash 20% Boil	○	△
" 50% Boil	△	×
Calgon	○	○
Formic Acid 10%20°C	○	○
" 70°C	△	△

LIQUID	SUS 304	SUS 316
Formic Acid 100°C	×	×
" 50%20°C	○	○
" 70°C	△	△
" 100°C	×	×
Chromic Acid 10%20°C	○	○
" 50%20°C	○	○
Citric Acid 5%100°C	△	○
Chloro Benzene	○	○
Chlorohorm	○	○
ChloroAcetic	×	×
Glycerin	○	○
Creosote	○	○
Cresol	○	○
Sodium Silicate	○	○
Diatomaceous Earth	○	○
Hydrosilicofluorie Acid	×	△
Phosphorus Pentoxide	○	○
Bleaching Powder	△	○
Acetic Acid 50%20°C	○	○
" 100°C	△	○
" 80%20°C	○	○
" 100°C	×	○
" 100%20°C	○	○
" 100°C	×	○
Aluminium Acetate	○	○
Sodium Acetate	△	○
Copper Acetate	○	○
Aluminum Acetate	○	○
Potessium Bromide	○	○
Hydrobromic Acid	×	×
Potassium Cyanide	○	○
Hydrocyanic Acid	△	○
Copper Cyanide	○	○
Sodium Cyanide	○	○
Silyer Cyanide	○	○
Nickel Cyanide	○	○
Cuppic Cyanide 50% Boil	○	○
Cyclo Hexane	○	○
Dichloro Ethylene	○	○
Dichloro Ethane	○	○
Dichloro Benzene	×	×
Diethylene Glycol	○	○
Sodium Bisulfate	○	○
Sodium Dicardnate	○	○
Dichromic Acid	○	○
Potassium Bitartrate	○	○
Sodium Hypocmlorite	×	×
Calcium Hypocmlorite	×	×
Tartaric Acid 50%20°C	○	○

LIQUID	SUS 304	SUS 316
Tartaric Acid 100%100°C	△	○
Oxalic Acid	△	△
Potassium Oxalate	○	○
Carbon Tetrachloride	○	○
Fatty Acid Amide	△	○
Potassium Hydroxide	△	○
Aluminum Hydroxide	○	○
Barium Hydroxide	○	○
Ammonium Hydroxide	○	○
Calcium Hydroxide	○	○
Stearic Acid	△	○
Dyestuff	○	○
Potassium Prussiate	○	○
Copper Prussiate	△	△
Carbolic Acid	○	○
Cyanide	△	○
Potassium	○	○
Sodium Cerium Carbonate	○	○
Potassium Carbonate	△	△
Ammonium Carbonate	○	○
Magnesium Carbonate	○	○
Potassium Carbonate	○	○
Ammonium Carbonate	○	○
Tannin	○	○
Tannin Acid	○	○
Ammonium Secondary Phosphate	○	○
Sodium Thio Sulfate	○	○
Trichloro Acetic Acid	○	○
Trichloro Athylen	○	○
Toluene	○	○
Tung Oil	○	○
Naphthalene	○	○
Naphthanlene Sulfonic Acid	○	○
Naphthnic Acid	○	○
Glue	○	○
Urea	○	○
Nitro Benzene	○	○
Lactic Acid 1.5%100% 20°C	○	○
" 1.5%100%Boil	△	△
Carbon Disulfide	○	○
Sulfur Dioxide	○	○
Paraffin	○	○
Picric Acid	○	○
Thorium Pyrophosphate	○	○
Pyrogallol	○	○
Hydrazine	○	△
Freon	○	△
Formalin	○	○
Furfural	○	○

LIQUID	SUS 304	SUS 316
Fruits Vineger	△	○
Propylene Glycol	○	○
Propionic Acid	○	○
Propylene Oxide	○	×
Sodium Fluoride	△	△
Hydro Fluoric Acid	×	×
Hexanol	○	○
Benzene	○	○
Boric Acid	○	○
Sodium Borate	○	○
Formalin	○	○
Borax	○	○
Glavber	○	○
Gallic Acid	○	○
Maleic Acid	○	○
Alum	○	○
Acetic Anhydride	○	○
Methyl Alcohol	○	○
Monochloroacetic Acid	×	×
Potassium Iodide	○	○
Calcium Sulfate	○	○
Sodium Sulfate	○	○
Ammonium Sulfate	○	○
Copper Sulfate	○	○
Magnesium Sulfate	○	○
Zine Sulfate	○	○
Aluminum Sulfate	○	○
Iron Sulfate	○	○
Ferrous Sulfate	×	△
Ferric Sulfate	×	○
Nickel Sulfate	○	○
Potassium Sulfate	○	○
Ammonium	○	○
Phosphoric Acid	○	○
Potassium Phosphate	○	○
Malic Acid	○	○

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