

Y-RE Closed-Center Hydraulic Cylinder with Proximity Bracket (75mm~125mm)



Application / Benefits

For work not requiring through spindle
Includes brackets for proximity switches (switches not included)

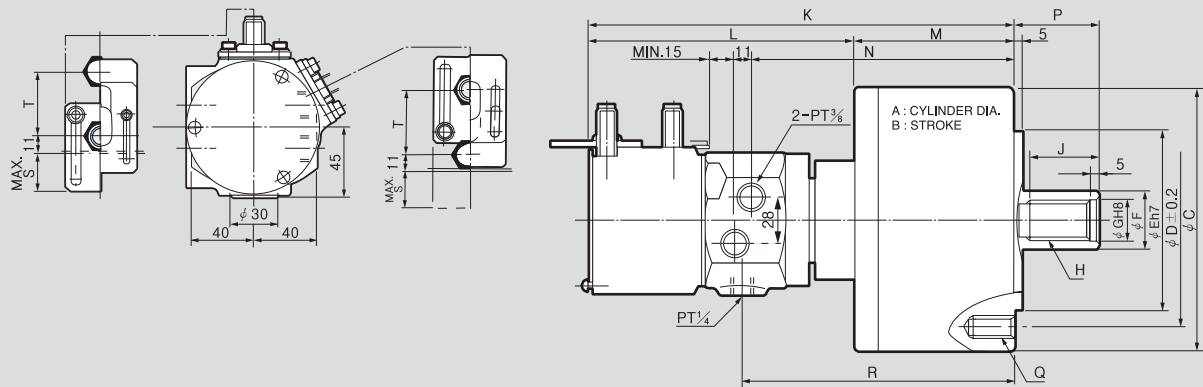
Technical features

Check valve maintains pressure during power outage

SPECIFICATIONS

	Y-0715RE	Y-1020RE	Y-1025RE	Y-1225RE	Y-1240RE
Piston Stroke [mm]	15	20	25	25	40
Piston Surface Area (Push) [cm ²]	44	84	84	120	120
Piston Surface Area (Pull) [cm ²]	37	79	79	113	113
Piston Force (Push) [kN(kgf)]	16.6(1693)	32.0(3264)	32.0(3264)	46.0(4692)	46.0(4692)
Piston Force (Pull) [kN(kgf)]	13.9(1417)	29(2957)	29(2957)	42(4283)	42(4283)
Max. Operating Pressure [MPa(kgf/cm ²)]	4.0(40.8)	4.0(40.8)	4.0(40.8)	4.0(40.8)	4.0(40.8)
Max. r.p.m. [min ⁻¹]	6000	6000	6000	6000	6000
Moment of inertia [N · m ² (kg · m ²)]	0.118(0.012)	0.46(0.05)	0.49(0.05)	0.88(0.09)	0.88(0.09)
Weight [kg]	4.5	7.6	7.7	10.5	11
Total leakage [l /min]	0.8	0.8	0.8	0.8	0.8
KITAGAWA® Model	Y-0715RE	Y-1020RE	Y-1025RE	Y-1225RE	Y-1240RE

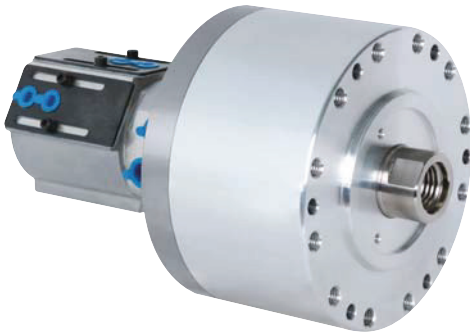
- ※ Specifications are subject to change without notice.
- ※ Piston forces measured at max pressure of 4.0MPa (40.8 kgf/cm²)
- ※ Total leakage measured at cylinder pressure of 3.0MPa(30.6 kgf/cm²) and oil temperature at
- ※ Samchully Machinery Co., Ltd. is no longer an OEM manufacturer for kitagawa Iron Works Co., Ltd



DIMENSIONS

	Y-0715RE	Y-1020RE	Y-1025RE	Y-1225RE	Y-1240RE
A	75	105	105	125	125
B	15	20	25	25	40
ØC	104	135	135	160	160
ØD	90	100	100	130	130
ØE	65	80	80	110	110
ØF	30	30	30	35	35
ØG	21	21	21	25	25
H	M20x2.5	M20x2.5	M20x2.5	M24x3.0	M24x3.0
J	32	35	35	44	44
K	227	252	257	260	306
L	161	163	163	163	194
M	66	89	94	97	112
N	127	152	157	160	175
P max.	46	45	45	51	65
P min.	31	25	20	26	25
Q	6-M6x20	6-M10x20	6-M10x20	6-M12x24	6-M12x24
R	133	158	163	166	181
S	23	23	23	23	-
T	41	41	41	41	-

Y-RE Closed-Center Hydraulic Cylinder with Proximity Bracket (150mm~250mm)



Application / Benefits

For work not requiring through spindle
Includes brackets for proximity switches (switches not included)

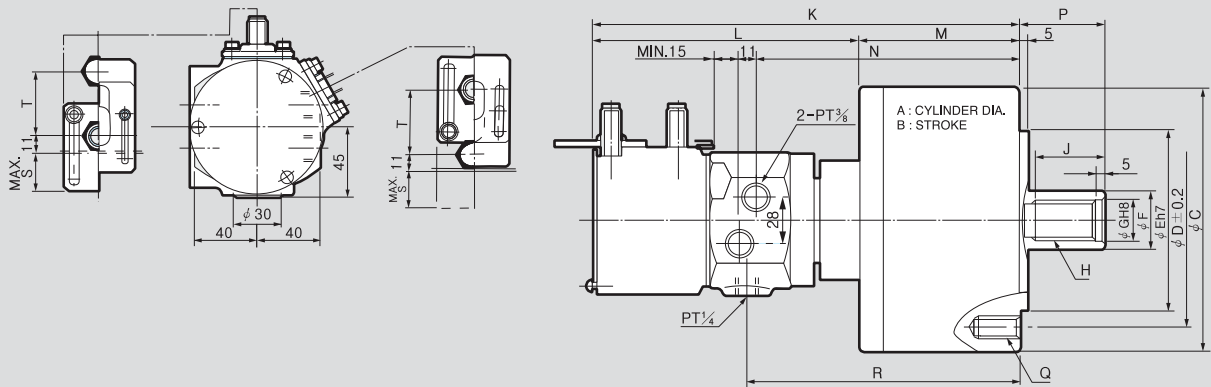
Technical features

Check valve maintains pressure during power outage

SPECIFICATIONS

	Y-1530RE	Y-1550RE	Y-2035RE	Y-2050RE	Y-2560RE
Piston Stroke [mm]	30	50	35	50	60
Piston Surface Area (Push) [cm ²]	174	174	312	312	515
Piston Surface Area (Pull) [cm ²]	160	160	290	290	482
Piston Force (Push) [kN(kgf)]	66.0(6732)	66.0(6732)	117.0(11934)	117.0(11934)	193(19541)
Piston Force (Pull) [kN(kgf)]	60(6118)	60(6118)	108(11013)	108(11013)	180(18289)
Max. Operating Pressure [MPa(kgf/cm ²)]	4.0(40.8)	4.0(40.8)	4.0(40.8)	4.0(40.8)	4.0(40.8)
Max. r.p.m. [min ⁻¹]	5500	5500	5500	5500	2000
Moment of inertia [N · m ² (kg · m ²)]	1.86(0.19)	1.96(0.20)	3.82(0.39)	4.12(0.42)	9.0(0.92)
Weight [kg]	14	14.8	22.5	23.5	85
Total leakage [l /min]	0.8	0.8	0.8	0.8	0.8
KITAGAWA® Model	Y-1530RE	Y-1550RE	Y-2035RE	Y-2050RE	-

- ※ Specifications are subject to change without notice.
- ※ Piston forces measured at max pressure of 4.0MPa (40.8 kgf/cm²)
- ※ Total leakage measured at cylinder pressure of 3.0MPa(30.6 kgf/cm²) and oil temperature at
- ※ Samchully Machinery Co., Ltd. is no longer an OEM manufacturer for kitagawa Iron Works Co., Ltd



DIMENSIONS

	Y-1530RE	Y-1550RE	Y-2035RE	Y-2050RE	Y-2560RE
A	150	150	200	200	250
B	30	50	35	50	60
ΦC	190	190	245	245	305
ΦD	130	130	145	145	220
ΦE	110	110	120	120	160
ΦF	45	45	55	55	65
ΦG	31	31	37	37	44
H	M30x3.5	M30x3.5	M36x4.0	M36x4.0	M42x3.0
J	45	55	60	60	65
K	269	320	288	333	379
L	163	194	166	192	207
M	106	126	122	141	172
N	169	189	183	202	227
P max.	56	80	69	80	85
P min.	26	30	34	30	25
Q	6-M12x24	6-M12x24	12-M16x30	12-M16x30	12-M20x35
R	175	195	189	208	233
S	23	-	28	-	-
T	41	-	46	-	-