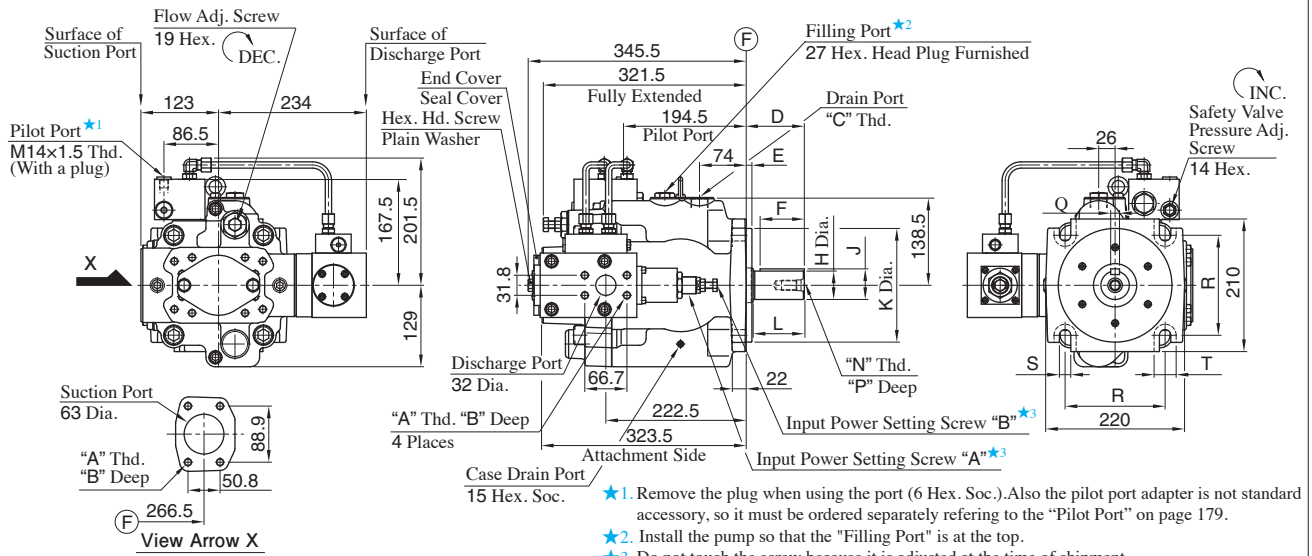
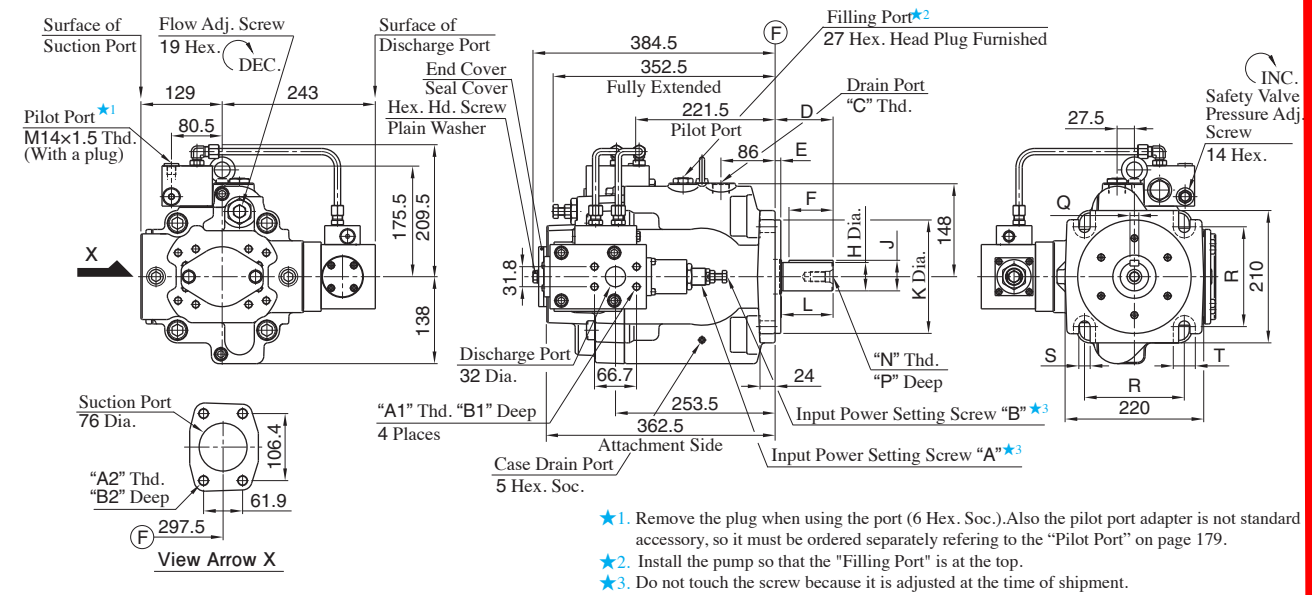


**Flange Mtg.:A3HG145-FR09V\*-K-E1D/E2D/U1D/U2D/J1D**



Model Numbers	A	B	C	D	E	F	H	J	K	L	N	P	Q	R	S	T	Mounting Flange	Connecting Port	Pipe Flange Threads
A3HG145-FR09V*-K-E1D/E2D	M12	22	M27X2	92	9	70	45 <sup>+0.018</sup> / <sub>+0.002</sub>	48.5 <sup>+0.018</sup> / <sub>-0.288</sub>	180 <sup>0</sup> / <sub>-0.063</sub>	82	M16	36	14 <sup>0</sup> / <sub>-0.043</sub>	158.4	18	35	Conforms to ISO 3019-2	Metric	Metric
A3HG145-FR09V*-K-U1D	1/2-13 UNC	21	G 3/4	75	12.7	56	44.45 <sup>0</sup> / <sub>-0.05</sub>	49.39 <sup>0</sup> / <sub>-0.18</sub>	152.4 <sup>0</sup> / <sub>-0.05</sub>	67		32	11.11 <sup>+0.03</sup> / <sub>0</sub>	161.6	21.5	39	Conforms to ISO 3019-1	Unified	Unified
A3HG145-FR09V*-K-U2D	M12	22	G 3/4	75	12.7	56	44.45 <sup>0</sup> / <sub>-0.05</sub>	49.39 <sup>0</sup> / <sub>-0.18</sub>	152.4 <sup>0</sup> / <sub>-0.05</sub>	67	1/2-13 UNC	32	11.11 <sup>+0.03</sup> / <sub>0</sub>	161.6	21.5	39	Conforms to ISO 3019-1	BSPP	Metric
A3HG145-FR09V*-K-J1D	M12	22	G 3/4	75	12.7	56	44.45 <sup>0</sup> / <sub>-0.05</sub>	49.39 <sup>0</sup> / <sub>-0.18</sub>	152.4 <sup>0</sup> / <sub>-0.05</sub>	67		32	11.11 <sup>+0.03</sup> / <sub>0</sub>	161.6	21.5	39	Conforms to ISO 3019-1	Rc	Metric

**Flange Mtg.:A3HG180-FR09V\*-K-E1D/E2D/U1D/U2D/J1D**



Model Numbers	A1	A2	B1	B2	C	D	E	F	H	J	K	L	N	P	Q	R	S	T	Mounting Flange	Connecting Port	Pipe Flange Threads
A3HG180-FR09V*-K-E1D/E2D	M12	M16	22	29	M27X2	92	9	70	45 <sup>+0.018</sup> / <sub>+0.002</sub>	48.5 <sup>+0.018</sup> / <sub>-0.288</sub>	180 <sup>0</sup> / <sub>-0.063</sub>	82	M16	36	14 <sup>0</sup> / <sub>-0.043</sub>	158.4	18	35	Conforms to ISO 3019-2	Metric	Metric
A3HG180-FR09V*-K-U1D	1/2-13 UNC	5/8-11 UNC	21	29	G 3/4	75	12.7	56	44.45 <sup>0</sup> / <sub>-0.05</sub>	49.39 <sup>0</sup> / <sub>-0.18</sub>	152.4 <sup>0</sup> / <sub>-0.05</sub>	67		32	11.11 <sup>+0.03</sup> / <sub>0</sub>	161.6	21.5	39	Conforms to ISO 3019-1	Unified	Unified
A3HG180-FR09V*-K-U2D	M12	M16	22	29	G 3/4	75	12.7	56	44.45 <sup>0</sup> / <sub>-0.05</sub>	49.39 <sup>0</sup> / <sub>-0.18</sub>	152.4 <sup>0</sup> / <sub>-0.05</sub>	67	1/2-13 UNC	32	11.11 <sup>+0.03</sup> / <sub>0</sub>	161.6	21.5	39	Conforms to ISO 3019-1	BSPP	Metric
A3HG180-FR09V*-K-J1D	M12	M16	22	29	G 3/4	75	12.7	56	44.45 <sup>0</sup> / <sub>-0.05</sub>	49.39 <sup>0</sup> / <sub>-0.18</sub>	152.4 <sup>0</sup> / <sub>-0.05</sub>	67		32	11.11 <sup>+0.03</sup> / <sub>0</sub>	161.6	21.5	39	Conforms to ISO 3019-1	Rc	Metric

**Pilot Port**

Pilot Port is common to that of "A3HG16-FR07K-E1C/U1C/U2C/J1C"(except the height dimension from the center of the pump). Refer to page 179 for the dimensions of Pilot Port.

**Drain Port**

Drain Port is common to that of pressure compensator model. Refer to page 174 or 175 for the dimensions of Drain Port.

**Foot Mtg.:A3HG145-LR09V\*-K-E1D/E2D/U1D/U2D/J1D, A3HG180-LR09V\*-K-E1D/E2D/U1D/U2D/J1D**

Mounting bracket is common to that of pressure compensator model (except max. height dimension). Refer to page 174 and 175 for the dimensions of mounting bracket.