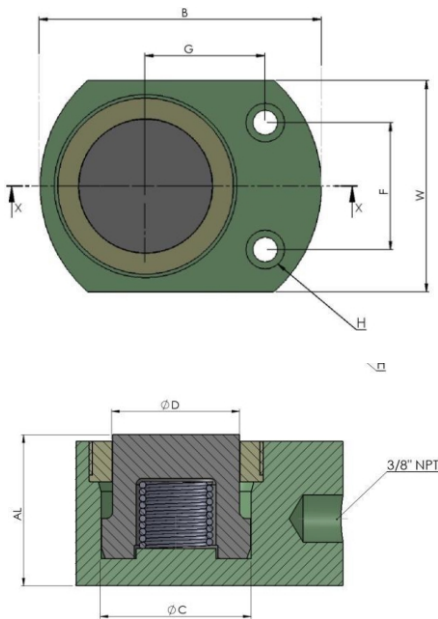


IFS

infrAtekk Flat Jack - Plain Ram Spring Return – Single Acting

ADVANTAGES / FEATURES

- Compact & Flat design ideally / suited where Clearance is minimum for insertion of jack.
- Mounting Holes for easy featuring, Stacking plate to increase closed height is optional.
- Hard Chrome Plate Ram and Cylinder to resist scoring and corrosion.
- High Pressure working Oil Seals are used.
- Heavy equipment Lifting, Alignment & Clamping. Ensure no gap Between jack & Load to be lifted, to utilize full stroke.



Model	Mounting Hole Location (in MM)		
	"F"	"G"	Thru Hole "H"
IFS 5 - 10	28	25	5.5
IFS 10 - 12	36	35	7
IFS 20 - 12	50	40	8.5
IFS 30 - 12	55	45	10.5
IFS 50 - 16	75	55	11
IFS 75 - 16	85	70	13
IFS 100 - 16	90	80	13
IFS 150 - 16	110	95	13
IFS 200 - 16	130	105	17



NOTE:

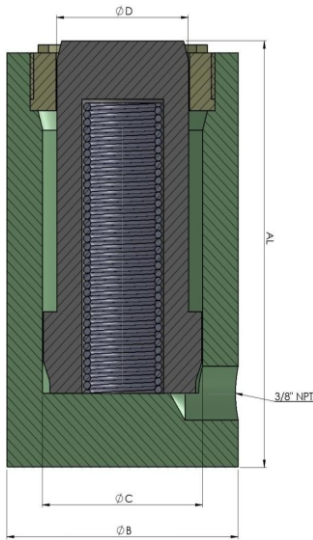
- Customized Tonnage and strokes are manufactured as per customer requirement.
- Capacity and Stroke specified are under safety factors.
- While using please read the instructions/manual .
- Use at 75% of rating as safe practice.

IFS Series - I: infrAtekk, **F:** Flat Jack, **S:** Single acting return, **5:** Capacity - ton, **10:** Stroke - mm

Model	"A" Close Height	Cap. in kN	Stroke In mm	Effective Area in cm ²	Oil Cap in cc	"B" Cylinder OD	"W" A/F in mm	"C" Cyl Bore ID	"D" Rod Dia	wt. App in kg
IFS 5-10	38	56	10	8.0	8	60	45	32	20	0.6
IFS 10-12	45	111	12	15.9	19	80	60	45	35	1.3
IFS 20-12	55	217	12	31.2	37	100	80	63	50	2.6
IFS 30-12	60	310	12	44.2	53	115	95	75	60	3.8
IFS 50-16	65	551	16	78.5	126	140	120	100	70	6.2
IFS 75-16	80	792	16	113.1	181	175	145	120	85	11.8
IFS 100-16	85	1078	16	153.9	247	190	165	140	100	15.1
IFS 150-16	100	1590	16	227.0	363	230	205	170	120	27.0
IFS 200 16	115	1985	16	283.5	454	265	230	190	140	40.7

ILS

infrAtekk Low Height Jack - Plain Ram Spring Return – Single Acting



APPLICATION

These Jacks are designed specially where space is a constraint Ideally used. Where no other Jack will fit for lift, lowering, spreading of structures, bridges, heavy machinery etc.

ADVANTAGES / FEATURES

- Compact design, heat treated alloy steel for better life.
- Ram Hard chrome-plated to resist scoring & corrosion.
- These jacks are designed specifically where space is a constraint.
- Ideally used where no other cylinders will fit for lifting.
- Grooved ram ends to support load at the mid point.
- High pressure oil seals to increase long life. Ram wiper protects cylinder from entering dirt & foreign material which extends cylinder.
- Bottom holes for mounting, which help easy to fix anywhere are provided upon request .
- Connection Port size 3/8" NPT.



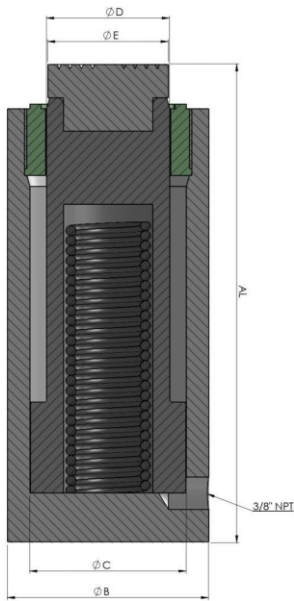
ILS Series - **I**: infrAtekk, **L**: Low Height, **S**: Single acting return, **10**: Capacity - ton, **30**: Stroke - mm

Model	"A" Close Height	Cap. in (kN)	Stroke In MM	Effective Area in cm ²	Oil Cap in cc	"B" Cylinder OD	"C" Cyl Bore ID	"D" Rod Dia	wt. App in kg
ILS 10 - 30	90	111	30	15.9	48	70	45	35	2.3
ILS 10 - 50	110	111	50	15.9	80	70	45	35	3.5
ILS 20 - 50	115	218	50	31.2	160	90	63	50	4.9
ILS 30 - 50	120	309	50	44.2	221	100	75	60	6.0
ILS 50 - 60	125	550	60	78.5	471	130	100	80	11
ILS 75 - 60	145	792	60	113.1	679	155	120	95	18.4
ILS 100 - 60	150	1077	60	153.9	925	180	140	110	23.6
ILS 150 - 60	165	1589	60	227.0	1362	220	170	140	43
ILS 200 - 60	200	2199	60	314.2	1885	255	200	160	66

- Capacity and Stroke specified are under safety factors.
- Customized Tonnage and Strokes are manufactured as per customer requirement.
- While using please read the instructions/manual .
- Use at 75% of rating as safe practice.

IPS

infrAtekk General Jack - Plain Ram Spring Return – Single Acting



APPLICATION

These jacks are an excellent choice for maintenance, positioning bending, pressing, and production application. Ideal for a wide range of applications at Construction sites, Automobile, Shipyard, Mills, Railway workshops, Power plants and Industrial maintenance.

ADVANTAGES/FEATURES

- Heat treated alloy steel body for better life.
- Multipurpose Jack Used Horizontal & Vertical position.
- Maintenance, Fabrication, Construction, Heavy Industries, Power & Process Plants, Sugar Factories, Cement Factories, etc.
- Hard chrome-plated ram to resist scoring & corrosion.
- Single acting, spring return for smooth return.
- High pressure long life seals. Ram wiper protects dirt & foreign material entering cylinder which extends cylinder life.
- Bottom mounting holes, collar threading & tilting saddle are provided on request.
- Connection Port size 3/8 inch NPT.
- Refer Power Pack Page for more details.



IPS Series - **I**: infrAtekk, **P**: Plain Rod, **S**: Single acting return, **5**: Capacity - ton, **100**: Stroke - mm

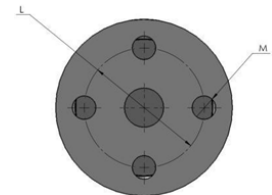
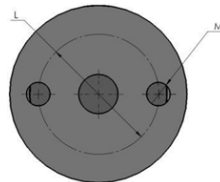
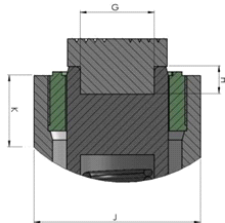
Model	"A" Close Height	Cap. in kN	Stroke in MM	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in (kg)
IPS 5 - 100	185	56	100	8.0	80	45	32	25	25	1.9
IPS 5 - 150	235	56	150	8.0	121	45	32	25	25	2.4
IPS 10 - 100	185	111	100	15.9	159	60	45	35	35	3.2
IPS 10 - 150	235	111	150	15.9	239	60	45	35	35	4.0
IPS 15 - 100	190	167	100	23.8	238	70	55	45	43	5.2
IPS 15 - 150	240	167	150	23.8	356	70	55	45	43	6.3
IPS 20 - 100	195	218	100	31.2	312	80	63	50	48	6.7
IPS 20 - 150	245	218	150	31.2	468	80	63	50	48	8.1
IPS 25 - 100	205	270	100	38.5	385	90	70	55	53	9.0
IPS 25 - 150	255	270	150	38.5	577	90	70	55	53	10.8
IPS 30 - 100	210	309	100	44.2	442	100	75	60	58	11.3
IPS 30 - 150	260	309	150	44.2	663	100	75	60	58	13.6
IPS 50 - 100	225	550	100	78.5	785	130	100	80	78	20.5
IPS 50 - 150	275	550	150	78.5	1178	130	100	80	78	24.5

IPS

infratekk General Jack - Plain Ram
Spring Return – Single Acting

Model	"A" Close Height	Cap. in kN	Stroke in MM	Effective Area in cm ²	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in kg
IPS 75 - 100	230	792	100	113.1	1131	155	120	95	93	29.5
IPS 75 - 150	280	792	150	113.1	1696	155	120	95	93	35.0
IPS 100 - 100	235	1077	100	153.9	1539	180	140	110	108	40.5
IPS 100 - 150	285	1077	150	153.9	2309	180	140	110	108	48.0
IPS 150 - 100	250	1589	100	227.0	2270	220	170	140	138	65.5
IPS 150 - 150	300	1589	150	227.0	3405	220	170	140	138	77.0
IPS 200 - 100	265	2199	100	314.2	3142	255	200	160	158	91.0
IPS 200 - 150	315	2199	150	314.2	4712	255	200	160	158	106.5
IPS 250 - 100	270	2661	100	380.1	3801	280	220	180	177	114
IPS 250 - 150	320	2661	150	380.1	5702	280	220	180	177	133
IPS 300 - 100	285	3167	100	452.4	4524	310	240	200	196	149
IPS 300 - 150	335	3167	150	452.4	6786	310	240	200	196	173
IPS 400 - 100	315	4008	100	572.6	5726	350	270	220	216	209
IPS 400 - 150	365	4008	150	572.6	8588	350	270	220	216	239

IPS-T

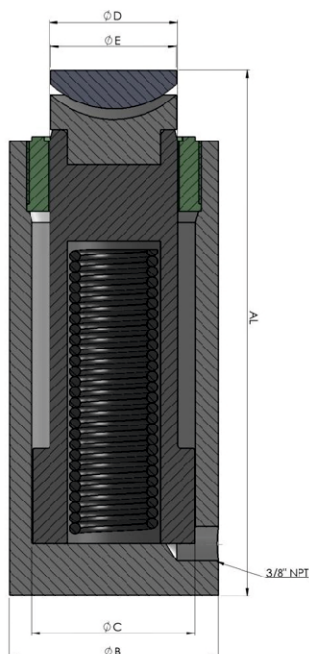


T: collar threading with bottom Mounting Holes

Model	"G" Ram Internal Threading	"H" Threading Depth	"J" Collar Threading	"K" C T Length	"L" Bottom Mounting HOLES &PCD	"M" Bottom Threading Size	Threaded Depth
IPS -T 5	M16 X 2P	15	M45 X 2P	25	25 X 2	M6	12
IPS -T 10	M22 X 2P	17	M60 X 2P	30	40 X 2	M8	12
IPS -T 15	M22 X 2P	20	M70 X 2P	30	45 X 2	M8	12
IPS -T 20	M24 X 2P	25	M80 X 2P	35	55 X 2	M8	12
IPS -T 25	M24 X 2P	25	M90 X 2P	40	60 X 2	M10	16
IPS -T 30	M30 X 2P	25	M100 X 3P	40	65 X 2	M10	16
IPS -T 50	M42 X 2P	25	M130 X 3P	40	90 X 2	M10	16
IPS -T 75	M48 X 2P	25	M155 X 3P	40	110 X 2	M10	16
IPS -T 100	M48 X 2P	25	M180 X 3P	40	125 X 4	M12	16
IPS -T 150	M82 X 2P	25	M220 X 3P	50	150 X 4	M16	18
IPS -T 200	M90 X 2P	25	M255 X 3P	50	180 X 4	M16	22

IPS-S

infratekk General Jack - Plain Ram
Spring Return – Single Acting



APPLICATION

These jacks are an excellent choice for maintenance, positioning bending, pressing, and production application. Ideal for a wide range of applications at Construction sites, Mills, Railway workshops, Power plants and Industrial maintenance.

FEATURES / ADVANTAGES

- Multipurpose Jack.
- Heat treated alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Single acting, Spring return for smooth return.
- Maintenance, Fabrication, Construction, Heavy Industries, Power & Process Plants, Sugar Factories, Cement Factories, etc.
- High pressure long life seals. Ram wiper protects dirt & foreign material entering cylinder which extends cylinder life.
- Spherical Saddle reduces damage to jack against off-centre load.



IPS-S Series - **I**: infratekk, **P**: Plain Rod, **S**: Single acting return, **S**: Spherical saddle, **10**: Capacity - ton, **100**: Stroke - mm

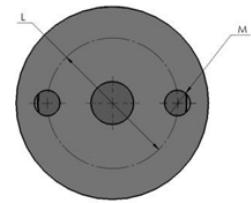
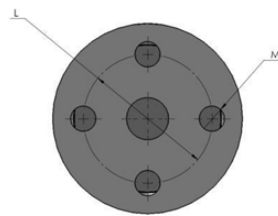
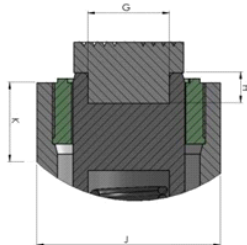
Model	"A" Close Height	Cap. in kN	Stroke In MM	Effective Area in cm ²	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in kg
IPS -S 10 - 100	195	111	100	15.9	159	60	45	35	35	3.4
IPS -S 10 - 150	245	111	150	15.9	239	60	45	35	35	4.2
IPS -S 15 - 100	205	167	100	23.8	238	70	55	45	43	5.4
IPS -S 15 - 150	255	167	150	23.8	356	70	55	45	43	6.5
IPS -S 20 - 100	210	218	100	31.2	312	80	63	50	48	7
IPS -S 20 - 150	260	218	150	31.2	468	80	63	50	48	8.3
IPS -S 25 - 100	220	270	100	38.5	385	90	70	55	48	9.1
IPS -S 25 - 150	270	270	150	38.5	577	90	70	55	48	10.9
IPS -S 30 - 100	225	309	100	44.2	442	100	75	60	55	11.5
IPS -S 30 - 150	275	309	150	44.2	663	100	75	60	55	13.8
IPS -S 50 - 100	240	550	100	78.5	785	130	100	80	75	21
IPS -S 50 - 150	290	550	150	78.5	1178	130	100	80	75	25
IPS -S 75 - 100	255	792	100	113.1	1131	155	120	95	88	30.8
IPS -S 75 - 150	305	792	150	113.1	1696	155	120	95	88	36.4
IPS -S 100 - 100	255	1077	100	153.9	1539	180	140	110	100	41.5
IPS -S 100 - 150	305	1077	150	153.9	2309	180	140	110	100	49.0
IPS -S 150 - 100	275	1589	100	227.0	2270	220	170	140	130	67.5

IPS-S

infratekk General Jack - Plain Ram
Spring Return – Single Acting

Model	"A" Close Height	Cap. in kN	Stroke In MM	Effective Area in cm ²	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in kg
IPS -S 150 - 150	325	1589	150	227.0	3405	220	170	140	130	79.4
IPS -S 200 - 100	290	2199	100	314.2	3142	255	200	160	150	94
IPS -S 200 - 150	340	2199	150	314.2	4712	255	200	160	150	109
IPS -S 250 - 100	305	2661	100	380.1	3801	280	220	180	165	119
IPS -S 250 - 150	355	2661	150	380.1	5702	280	220	180	165	138
IPS -S 300 - 100	320	3167	100	452.4	4524	310	240	200	180	155
IPS -S 300 - 150	370	3167	150	452.4	6785	310	240	200	180	179
IPS -S 400 - 100	355	4008	100	572.6	5926	350	270	220	210	220
IPS -S 400 - 150	405	4008	150	572.6	8588	350	270	220	210	250
IPS -S 500 - 150	415	4948	150	706.9	10630	400	300	250	230	335.5
IPS -S 500 - 200	465	4948	200	706.9	14137	400	300	250	230	376

IPS-ST

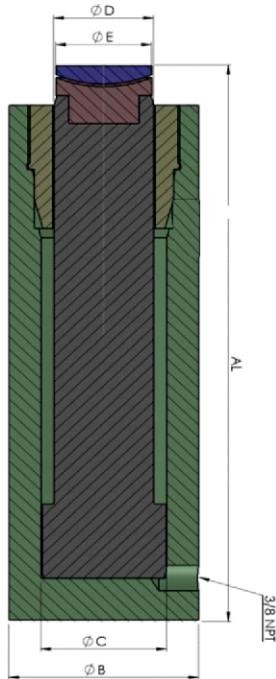


S: Spherical saddle, T: collar threading with bottom Mounting Holes

Model	"G" Ram Internal Threading	"H" Threading Depth	"J" Collar Threading	"K" C T Length	"L" Bottom Mounting HOLES & PCD	"M" Bottom Threading Size	Threaded Depth
IPS -ST 10	M22 X 2P	17	M60 X 2P	30	40 X 2	M8	12
IPS -ST 15	M22 X 2P	20	M70 X 2P	30	45 X 2	M8	12
IPS -ST 20	M24 X 2P	25	M80 X 2P	35	55 X 2	M8	12
IPS -ST 25	M24 X 2P	25	M90 X 2P	40	60 X 2	M10	16
IPS -ST 30	M30 X 2P	25	M100 X 3P	40	65 X 2	M10	16
IPS -ST 50	M42 X 2P	25	M130 X 3P	40	90 X 2	M10	16
IPS -ST 75	M48 X 2P	25	M155 X 3P	40	110 X 2	M10	16
IPS -ST 100	M48 X 2P	25	M180 X 3P	40	125 X 4	M12	16
IPS -ST 150	M82 X 2P	25	M220 X 3P	50	150 X 4	M16	18
IPS -ST 200	M90 X 2P	25	M255 X 3P	50	180 X 2	M16	22

IPL-S

infratekk High Pressure - Plain Ram
Load Return – Single Acting



APPLICATION

These jacks are ideally used for lifting of girders, building foundations, Handling of heavy duty machineries, Steel Fabrication, Ship Building, testing of Concrete Structures, etc.

FEATURES /ADVANTAGES

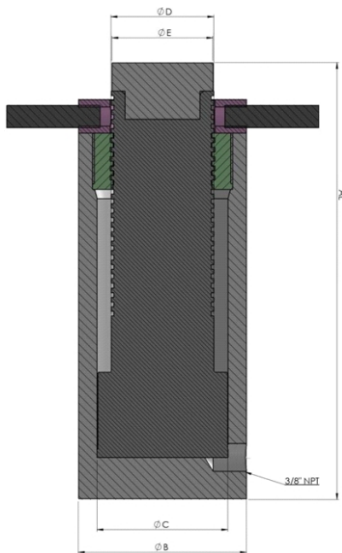
- Load return. Single acting, Plain Ram.
- Cylinder is honed to a surface finish of 0.5 microns.
- Alloy steel heat treated.
- At the bottom holes are provided to Fix.
- High pressure oil seals for better life. Ram wiper protects entering dirt and foreign material into the cylinder which extends cylinder life.
- Long lifting handles are provided for easy lifting at site.
- Connection Port 3/8" NPT.



IPL-S Series - **P**: Planet, **P**: Plain Rod, **L**: Load Return, **S**: Spherical saddle **5**: Capacity - ton, **100**: Stroke - mm

Model	"A" Close Height	Cap. in kN	Stroke in mm	Effective are in cm ²	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in kg
IPLS 600-100	390	5987	100	855.3	8553	430	330	275	260	365
IPLS 600-150	440	5987	150	855.3	12829	430	330	275	260	412
IPLS 600-200	490	5987	200	855.3	17106	430	330	275	260	459
IPLS 800-100	425	7939	100	1134.1	11341	505	380	310	290	537
IPLS 800-150	475	7939	150	1134.1	17012	505	380	310	290	600
IPLS 800-200	525	7939	200	1134.1	22682	505	380	310	290	664
IPLS 1000-100	460	9930	100	1418.6	14186	560	425	350	330	729
IPLS 1000-150	510	9930	150	1418.6	21279	560	425	350	330	808
IPLS 1000-200	560	9930	200	1418.6	28373	560	425	350	330	887
IPLS 1500-100	545	15154	100	2164.8	21648	705	525	450	400	1357
IPLS 1500-150	595	15154	150	2164.8	32472	705	525	450	400	1488
IPLS 1500-200	645	15154	200	2164.8	43296	705	525	450	400	1618
IPLS 2000-100	615	20458	100	2922.5	29225	810	610	525	495	2031
IPLS 2000-150	665	20458	150	2922.5	43837	810	610	525	495	2204
IPLS 2000-200	715	20458	200	2922.5	58450	810	610	525	495	2377

infrAtekk High Pressure - Threaded Rod Along With Safety Lock Nut and Handle Load Return – Single Acting



FEATURES /ADVANTAGES

- Load return. Single acting, Threaded Ram, with safety Lock Nut.
- Cylinder is honed to a surface finish of 0.5 microns.
- Alloy steel heat treated body for better life.
- At the bottom holes are provided to Bolting .
- High pressure Oil seals for better life. Ram wiper protects entering dirt and foreign material into the cylinder which extends cylinder life.
- Long lifting handles are provided for easy lifting at site.
- Connection Port 3/8" NPT.
- Cylinder Body Hard chrome plated to avoid Scoring and Corrosion. Ram Blackodised.
- Lock Nut for safety purpose to sustain load on lock nut for long time.



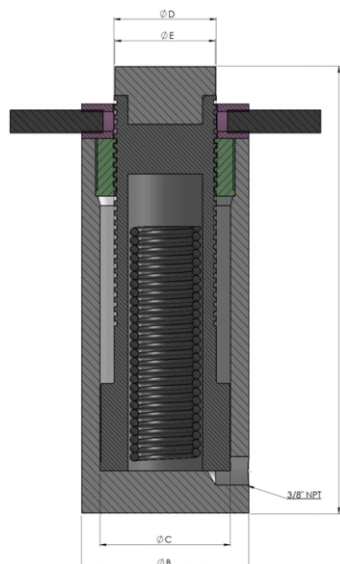
ITL Series - **I**: infrAtekk, **T**: Threaded Rod, **L**: Load Return, **600**: Capacity - ton, **100**: Stroke - mm

Model	"A" Close Height	Cap. in kN	Stroke in MM	Effective Area in cm ²	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in kg
ITL 600 - 100	445	5987	100	855.3	8553	430	330	275	260	450
ITL 600 - 150	495	5987	150	855.3	12829	430	330	275	260	501
ITL 800 - 100	485	7939	100	1134.1	11341	505	380	310	290	650
ITL 800 - 150	535	7939	150	1134.1	17012	505	380	310	290	739
ITL 1000 - 100	520	9930	100	1418.6	11486	560	425	350	330	900
ITL 1000 - 150	570	9930	150	1418.6	21279	560	425	350	330	990

- Capacity and Stroke specified are under safety factors.
- Customized Tonnage and Strokes are manufactured as per customer requirement.
- While using please read the instructions/manual .
- Use at 75% of rating as safe practice.

ITS

infrAtekk High Pressure - Threaded Ram along with safety Lock Nut Spring Return – Single Acting



APPLICATION

These jacks are ideally used for Lifting of Girders, Building Foundations, Handling of Heavy Duty Machineries, Steel Fabrication, Ship Building, Testing of Concrete Structures, etc.

FEATURES /ADVANTAGES

- Cylinder is honed to a surface finish of 0.5 microns.
- Load return. Single acting, Threaded Ram, Safety Lock Nut. Alloy steel heat treated.
- At the bottom holes are provided to Fix.
- High pressure seals for better life. Ram wiper protects entering dirt and foreign material into the cylinder which extends cylinder life.
- Long lifting handles are provided for easy lifting at site.
- Connection Port 3/8" NPT.

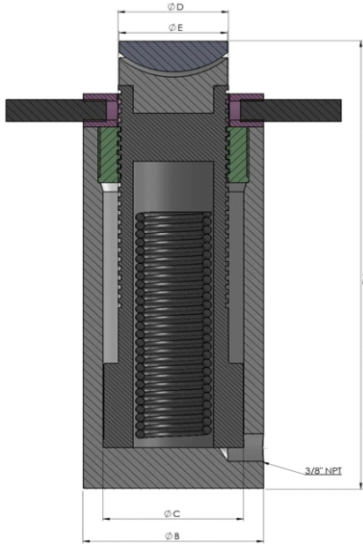


ITS Series - I: infrAtekk, **T:** Threaded Rod, **S:** Single Acting Spring Return, **5:** Capacity - ton, **100:** Stroke - mm

Model	"A" Close Height	Cap. in kN	Stroke in MM	Effective Area in cm ²	Oil Cap in cc	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in kg
ITS 10 - 150	245	111	150	15.9	239	60	45	40	35	4.5
ITS 15 - 150	250	167	150	23.8	356	70	55	45	40	6.5
ITS 20 - 150	260	218	150	31.2	468	80	63	55	50	9
ITS 25 - 150	270	270	150	38.5	577	90	70	55	50	11.5
ITS 30 - 150	275	309	150	44.2	663	100	75	60	55	15
ITS 50 - 150	290	550	150	78.5	1178	130	100	80	75	27
ITS 75 - 150	295	792	150	113.1	1696	155	120	95	90	39
ITS 100 - 150	305	1077	150	153.9	2309	180	140	110	105	54
ITS 150 - 150	325	1589	150	227.0	3405	220	170	140	135	87.5
ITS 200 - 150	340	2199	150	314.2	4712	255	200	160	155	122
ITS 250 - 150	350	2661	150	380.1	5702	280	220	180	175	154
ITS 300 - 150	370	3167	150	452.4	6786	310	240	200	195	202.0
ITS 400 - 150	405	4008	150	572.6	8588	355	270	220	215	283
ITS 500 - 150	450	4948	150	706.86	1060.29	400	300	250	245	390

ITS-S

**infrAtekk High Pressure - Threaded Ram along with safety Lock Nut
Spring Return – Single Acting Spherical Saddle**



APPLICATION

These jacks are ideally used for Lifting of Girders, Building Foundations, Handling of Heavy Duty Machineries, Steel Fabrication, Ship Building, Testing of Concrete Structures, etc.

FEATURES /ADVANTAGES

- Cylinder is honed to a surface finish of 0.5 microns.
- Load return. Single acting, Threaded Ram, Safety Lock Nut. Alloy steel heat treated.
- At the bottom holes are provided to Fix.
- High pressure seals for better life. Ram wiper protects entering dirt and foreign material into the cylinder which extends cylinder life.
- Long lifting handles are provided for easy lifting at site.
- Connection Port 3/8" NPT.

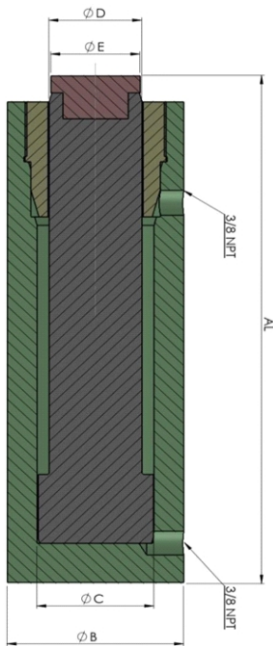


ITS-S Series - I: infrAtekk, T: Threaded Rod, S: Spring Return, S: Spherical saddle, 5: Capacity - ton, 100: Stroke - mm

Model	"A" Close Height	Cap. in (kN)	Stroke In (mm)	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in (kg)
ITS -S 10 - 150	255	111	150	15.9	239	60	45	40	35	4.5
ITS -S 15 - 150	265	167	150	23.8	356	70	55	50	40	7
ITS -S 20 - 150	275	218	150	31.2	468	80	63	55	50	9.2
ITS -S 25 - 150	285	270	150	38.5	577	90	70	55	50	12
ITS -S 30 - 150	290	309	150	44.2	663	100	75	60	55	15.2
ITS -S 50 - 150	305	550	150	78.5	1178	130	100	80	75	27.4
ITS -S 75 - 150	320	792	150	113.1	1696	155	120	95	90	40
ITS -S 100 - 150	325	1077	150	153.9	2309	180	140	110	105	55.5
ITS -S 150 - 150	350	1589	150	227.0	3405	220	170	140	135	90
ITS -S 200 - 150	365	2199	150	314.2	4712	255	200	160	155	125.5
ITS -S 250 - 150	385	2661	150	380.1	5702	280	220	180	175	160
ITS -S 300 - 150	405	3167	150	452.4	6785	310	240	200	190	209
ITS -S 400 - 150	445	4008	150	572.6	8588	350	270	220	210	294
ITS -S 500 - 150	465	4948	150	706.9	10603	400	300	250	230	405

IPD

infrAtekk High Pressure - Plain Ram
Oil Return – Double Acting



APPLICATION

These jacks are designed to provide oil force in both the advance and retraction of ram, in vertical & horizontal position, where cycle time is crucial. These are mainly used for hydraulic testing machine and for lifting, lowering, spreading of structures, bridges, heavy machinery, etc.

FEATURES /ADVANTAGES

- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty application.
- Provides force in advance & return cycles.
- High pressure long life seals. Ram wiper protects inner cylinder from dirt which extends cylinder life.
- Relief valve protects against over pressurizing.
- Bottom mounting holes, collar threading are provided on request.
- Connection Port size 3/8 inch NPT.
- Available in custom strokes also.

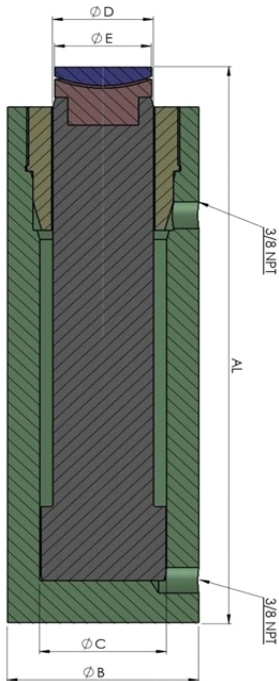


IPD Series - I: infrAtekk, **P:** Plain Rod, **D:** Double Acting Oil Return, **10:** Capacity - ton, **150:** Stroke - mm

Model	"A" Close Height	Cap. in kN	Stroke in (mm)	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in (kg)
IPD 10 - 150	275	111	150	15.9	239	75	45	30	28	8
IPD 15 - 150	280	167	150	23.8	356	85	55	40	38	11
IPD 20 - 150	285	218	150	31.2	468	95	63	50	48	14
IPD 25 - 150	295	270	150	38.5	577	95	70	55	53	14.3
IPD 30 - 150	305	309	150	44.2	663	110	75	55	53	15.6
IPD 50 - 150	305	550	150	78.5	1178	130	100	70	67	26.3
IPD 75 - 150	305	792	150	113.1	1696	155	120	90	87	38.5
IPD 100 - 150	310	1077	150	153.9	2309	180	140	110	106	53.5
IPD 150 - 150	320	1589	150	227.0	3405	220	170	140	137	84
IPD 200 - 150	345	2199	150	314.2	4712	255	200	150	146	116
IPD 250 - 150	350	2661	150	380.1	5702	280	220	180	177	148
IPD 300 - 150	365	3167	150	452.4	6786	310	240	180	177	181
IPD 400 - 150	385	4008	150	572.6	8588	350	270	220	216	255
IPD 500 - 150	425	4948	150	706.9	10603.5	400	300	250	240	375

IPD-S

infrAtekk High Pressure - Plain Ram
Oil Return – Double Acting



APPLICATION

These jacks are designed to provide oil force in both the advance and retraction of ram, in vertical & horizontal position, where cycle time is crucial.

These are mainly used for hydraulic testing machine and for lifting, lowering, spreading of structures, bridges, heavy machinery, etc.

FEATURES /ADVANTAGES

- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty application.
- Provides force in advance & return cycles.
- High pressure long life Oil seals. Ram wiper protect sinner cylinder from dirt. which extends cylinder life.
- Relief valve protects against over pressurizing while in return position.
- Bottom mounting holes, collar threading are provided on request.
- Connection Port size 3/8 inch NPT.
- Grooved Saddle for Adequate Gripping.



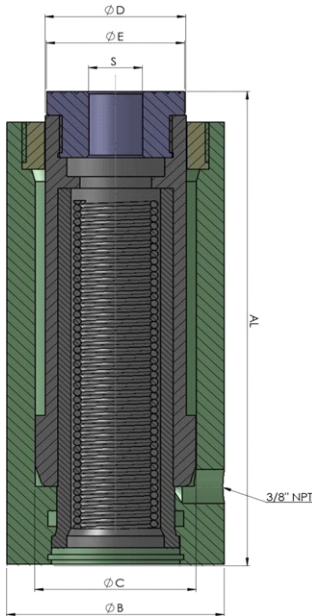
IPD-S Series -

I:infrAtekk, P: Plain Rod, D: Double Acting Oil Return, S: Spherical saddle, 10: Capacity - ton, 150: Stroke -mm

Model	"A" Close Height	Cap. in kN	Stroke In (mm)	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cylinder OD	"C" Cylinder Bore ID	"D" Rod Dia	"E" Saddle Dia	wt. App in kg
IPDS 10 - 150	285	111	150	15.9	239	75	45	30	28	8.3
IPDS 15 - 150	290	167	150	23.8	356	85	55	40	35	11.3
IPDS 20 - 150	300	218	150	31.2	468	95	63	50	48	14.6
IPDS 25 - 150	310	270	150	38.5	577	95	70	55	53	14.8
IPDS 30 - 150	320	309	150	44.2	663	100	75	55	53	16.5
IPDS 50 - 150	320	550	150	78.5	1178	130	100	70	67	27
IPDS 75 - 150	330	792	150	113.1	1696	155	120	90	87	40
IPDS 100 - 150	330	1077	150	153.9	2309	180	140	110	100	54.5
IPDS 150 - 150	345	1589	150	227.0	3405	220	170	140	130	87
IPDS 200 - 150	370	2199	150	314.2	4712	255	200	150	140	119.5
IPDS 250 - 150	385	2661	150	380.1	5702	280	220	180	170	153
IPDS 300 - 150	400	3167	150	452.4	6786	310	240	180	170	189
IPDS 400 - 150	425	4008	150	572.6	8588	350	270	220	210	265
IPDS 500 - 150	450	4948	150	706.9	10603	400	300	240	230	367
IPDS 600 - 150	480	5987	150	855.3	12829	430	330	270	260	453
IPDS 800 - 150	515	7939	150	1134.1	17012	505	380	300	290	655
IPDS 1000 - 150	560	9930	150	1418.6	21279	560	425	350	340	896

IHS

infrAtekk Centre Hollow Jack - Plain Ram Spring Return – Single Acting



APPLICATION

These jacks are designed to provide oil force in both the advance and retraction of ram, in vertical & horizontal position, where cycle time is crucial. These are mainly used for hydraulic testing machine and for lifting, lowering, spreading of structures, bridges, heavy machinery, etc.

FEATURES /ADVANTAGES

- Removal & Assembly of pins, bushes, bearings, Sprockets, Gears & General Maintenance.
- Speed Nuts, Speed Nut Handles, Threaded Saddle, Plain Saddle Centre Screw, Etc.
- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty application.
- Provides force in advance & return cycles.
- High pressure long life seals. Ram wiper protects inner cylinder from dirt which extends cylinder life.
- Fast & Complete ram retraction.
- Bottom mounting holes, collar threading are provided on request.
- Connection Port size 3/8 inch NPT.



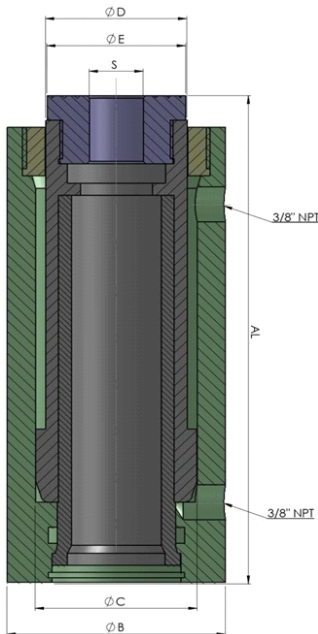
IHS Series - **I**: infrAtekk, **H**: Hollow Rod, **S**: Single Acting Oil Return, **10**: Capacity - ton, **100**: Stroke - mm

Model	"AL" Close Height	Cap. in Kn.	Stroke In (mm)	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cyl OD	"C" Cyl Bore ID	"S" Hole dia.	"D" Rod Dia.	"E" Saddle Dia.	wt. App in kg
IHS 10 - 100	215	110	100	15.7	157	75	60	21	50	50	6
IHS 20 - 100	220	231	100	33.0	330	105	85	28	75	73	13.5
IHS 30 - 100	245	298	100	42.6	426	115	95	34	80	78	16
IHS 50 - 100	255	550	100	78.5	785	150	125	42	100	97	27
IHS 60 - 100	270	605	100	86.4	864	165	135	54	110	107	35
IHS 100 - 100	295	990	100	141.4	1414	215	180	77	150	146	62

Model	Ram Internal Threading	Thread Depth	Collar Threads	Length	PCD x No. of Holes	Bottom Thread Size	Thread Depth
IHS -10	M42X2P	22	M75X2P	30	60X2	M8	15
IHS -20	M56X2P	23	M105X2P	36	85X2	M10	17
IHS -30	M64X2P	30	M115X2P	40	90X2	M10	17
IHS -50	M80X2P	30	M150X3P	40	125X2	M12	18
IHS -60	M90X2P	33	M165X3P	45	135X2	M12	20
IHS -100	M120X2P	40	M215X3P	50	180X2	M16	24

IHD

infratekk Centre Hollow Jack - Plain Ram
Oil Return – Double Acting



FEATURES /ADVANTAGES

- Removal & Assembly of pins, Bushes, bearings, Sprockets, Gears & General Maintenance.
- Speed Nuts, Speed Nut Handles, Threaded Saddle, Plain Saddle Centre Screw, Etc.
- Alloy steel body for better life.
- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty application.
- As bar Jacks & Pre-stressing at Construction Sites.
- Provides force in advance & return cycles.
- High pressure long life seals. Ram wiper protects inner cylinder from dirt, which extends cylinder life.
- Relief valve protects against over pressurizing.
- Fast & Complete ram retraction.
- Bottom mounting holes, collar threading & Spherical saddle are provided on request.
- Connection Port size 3/8 inch NPT.



IHD-S Series - **I**: infratekk, **H**: Hollow Rod, **D**: Double Acting Oil Return, **30**: Capacity - ton, **150**: Stroke - mm

Model	"A" Close Height	Cap. in Kn.	Stroke In (mm)	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cyl. OD	"C" Cyl. Bore ID	"S" Hole dia.	"D" Rod Dia.	"E" Saddle Dia.	wt. App in (kg)
IHD -20-150	305	202	150	28.9	433	100	70	27	60	58	17.0
IHD -30-150	320	309	150	44.2	663	115	85	33	70	67	22
IHD -50-150	330	528	150	75.4	1131	140	110	42	90	87	31
IHD -60-150	340	641	150	91.6	1373	155	125	54	100	97	38
IHD -100-150	375	1093	150	156.1	2341	210	170	77	130	125	70

Suitable Hand Pump for the above Jacks

Jack Ton	Hand Pump Used
5, 10, 15, 20	PHHP12-2 DCV
25, 30	PHHP5012-2 DCV
50	PHHP5012-3 DCV
75, 100, 150	PHHP5012-6 DCV
200	PHHP5012-12 DCV
250, 300, 400, 500	PP Unit

infrAtekk Double Acting Threaded Ram Jack with Flat Saddle

FEATURES /ADVANTAGES

- Suits heavy lifting & push-pull applications
- Safety Pressure Relief valve in return port prevents damage, in case of accidental over-pressurization due to blockage in return line
- Spherical saddle reduces damage to jack against off-center load
- Sustained load holding with lock nut in vertical & horizontal direction
- Fast & complete ram retraction
- Suited for Construction & Heavy industries



ITD-S Series - **I**: infrAtekk, **T**: Threaded ram, **D**: Double Acting Oil Return, **50**: Capacity - ton, **150**: Stroke-mm

Model	"A" Close Height	Cap. in (kN)	Stroke in (mm)	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cyl. OD	"C" Cyl. Bore ID	"D" Rod Dia.	"E" Saddle Dia.	wt. App in (kg)
ITD 50-150	325	535	150	76.4	1146	140	105	85	79	35
ITD 50-300	475	535	300	76.4	2293	140	105	85	79	48
ITD 100-150	350	1126	150	160.8	2412	195	150	125	115	76.5
ITD 100-300	500	1126	300	160.8	4825	195	150	125	115	102
ITD 150-150	380	1644	150	234.8	3524	235	180	140	132	110.5
ITD 150-300	530	1644	300	234.8	7045	235	180	140	132	146
ITD 200-150	400	2227	150	318.1	4772	270	210	170	160	159.5
ITD 200-300	550	2227	300	318.1	9543	270	210	170	160	202
ITD 250-150	400	2639	150	377.0	5655	300	230	180	170	197.5
ITD 250-300	550	2639	300	377.0	11310	300	230	180	170	250
ITD 300-150	410	3223	150	460.4	6907	330	255	205	195	248.5
ITD 300-300	560	3223	300	460.4	13814	330	255	205	195	315.5
ITD 400-150	435	4502	150	643.2	9650	385	300	250	235	357.5
ITD 400-300	585	4502	300	643.2	19298	385	300	250	235	458

ITD-S

infrAtekk Double Acting Threaded Ram Jack with Spherical Saddle

FEATURES /ADVANTAGES

- Suits heavy lifting & push-pull applications
- Safety Pressure Relief valve in return port prevents damage, in case of accidental over-pressurization due to blockage in return line
- Spherical saddle reduces damage to jack against off-center load
- Sustained load holding with lock nut in vertical & horizontal direction
- Fast & complete ram retraction
- Suited for Construction & Heavy industries



ITD-S Series - **I**: infrAtekk, **T**: Threaded ram, **D**: Double Acting Oil Return, **S**: Spherical Saddle **50**: Capacity - ton, **150**: Stroke-mm

Model	"A" Close Height	Cap. in (kN)	Stroke in (mm)	Effective Area in (cm ²)	Oil Cap in (cc)	"B" Cyl. OD	"C" Cyl. Bore ID	"D" Rod Dia.	"E" Saddle Dia.	wt. App in (kg)
ITD-S 50-150	340	535	150	76.4	1146	140	105	85	74	36
ITD-S 50-300	490	535	300	76.4	2293	140	105	85	74	49
ITD-S 100-150	365	1126	150	160.8	2412	195	150	125	100	79.5
ITD-S 100-300	515	1126	300	160.8	4825	195	150	125	100	105
ITD-S 150-150	400	1644	150	234.8	3524	235	180	140	130	113.5
ITD-S 150-300	550	1644	300	234.8	7045	235	180	140	130	148
ITD-S 200-150	420	2227	150	318.1	4772	270	210	170	150	167.5
ITD-S 200-300	570	2227	300	318.1	9543	270	210	170	150	204.5
ITD-S 250-150	425	2639	150	377.0	5655	300	230	180	165	210.5
ITD-S 250-300	575	2639	300	377.0	11310	300	230	180	165	253.5
ITD-S 300-150	440	3223	150	460.4	6907	330	255	205	180	265.5
ITD-S 300-300	590	3223	300	460.4	13814	330	255	205	180	320.5
ITD-S 400-150	470	4502	150	643.2	9650	385	300	250	212	389.5
ITD-S 400-300	620	4502	300	643.2	19298	385	300	250	212	464
ITD-S 500-150	485	5438	150	776.8	11652	430	330	270	230	491
ITD-S 500-300	635	5438	300	776.8	23303	430	330	270	230	592
ITD-S 600-150	510	6460	150	922.8	13842	470	360	300	260	625
ITD-S 600-300	660	6460	300	922.8	27685	470	360	300	260	703
ITD-S 800-150	550	8576	150	1225.2	18380	540	410	340	290	975
ITD-S 800-300	700	8576	300	1225.2	36756	540	410	340	290	1048
ITD-S 1000-150	585	10842	150	1548.8	23235	600	460	380	330	1160
ITD-S 1000-300	735	10842	300	1548.8	46464	600	460	380	330	1354

IPA

infrAtekk Puller Attachment Operated With Individual Hand Hump

APPLICATION

Hollow Ram Jack, Hand Pump, Hose Pipe, Gauge, Center Screw with Speed nut, Grip Puller, Push Puller, Bearing Puller and Internal Cup Puller attachments forms a Master Puller. The versatile sets offer unmatched application in the maintenance and repair filed to make a master puller set choose the capacity required in the individual attachments.

FEATURES /ADVANTAGES

- Hard chrome-plated ram to resist scoring & corrosion.
- Ideal for heavy duty application.
- As bar Jacks & Pre-stressing at Construction Sites.
- Provides force in advance & return cycles.
- High pressure long life seals. Ram wiper protects inner cylinder from dirt which extends cylinder life.
- Fast & Complete ram retraction.
- Bottom mounting holes, collar threading are provided on request.
- Connection Part size 3/8 inch NPT.

IPA Series - **I**: infrAtekk, **P**: Puller, **A**: Attachment, **10**: Capacity - ton, **100**: Stroke - mm

2 Jaw & 3 Jaw Grip Puller				
Capacity	Attachments Series	Use with Hyd. Jack	Reach Max	Spread Max
10	10 2GP	PHS 10	180	250
10	10 2GP	PHS 10	180	300
20	20 2GP	PHS 20	180	325
20	20 2GP	PHS 20	180	400
30	30 2GP	PHS 30	325	500
30	30 2GP	PHS 30	325	550
50	50 2GP	PHS 50	390	700
50	50 2GP	PHS 50	390	800

Bearing Puller cum Push Puller				
10	10 BPP	PHS 10	100	10 - 110
20	20 BPP	PHS 20	150	15 - 215
30	30 BPP	PHS 30	250	20 - 250
50	50 BPP	PHS 50	400	50 - 400

Cap Puller or Internal Puller				
10	10 BPP	PHS 10	100	15 - 110
20	20 BPP	PHS 20	130	40 - 150
30	30 BPP	PHS 30	150	65 - 180

infrAtekk - Hand Pumps

infrAtekk Pumps Series



Pump Stage	Model	Pressure In Bar		Oil Displacement in stoke per (cc)		Oil Tank Cap. in Ltrs	Usable oil volume in Ltrs	Force apply on Handle in kg	Dry Weight in Kg	Pressure Setting Range
Single Speed	IHP 12/2		700		2.8	2	1.4	40	8.0	400b-kg/cm ²
	IHP 16/2		350		5.0	2	1.4	50	8.0	350-kg/cm ²
Double Speed	IHP 3012/5	30	700	17	2.8	2	1.4	40	11.2	400b-700 kg/cm ²
	IHP 3012/5	30	700	17	2.8	3	2.2	40	12.2	400b-700 kg/cm ²
	IHP 5012/5	30	700	49	2.8	5	3.8	40	18.5	400b-700 kg/cm ²
	IHP 5012/5	30	700	49	2.8	6	4	40	19.0	400b-700 kg/cm ²
	IHP 5012/7	30	700	49	2.8	8	7.4	40	20.0	400b-700 kg/cm ²
	IHP 5012/13	30	700	49	2.8	12	8.0	40	21.0	400b-700 kg/cm ²
	IHP 5012/20	30	700	49	2.8	20	16.2	40	28.0	400b-700 kg/cm ²
	IHP 5016/5	30	350	49	5.0	5	3.8	50	18.5	350-kg/cm ²
	IHP 5016/13	30	350	49	5.0	12	8.0	50	21.0	350-kg/cm ²

NOTE:

Single Speed Pumps - generally use 10T to 30T Jacks. These pump flow constantly.

Double Speed Pumps - generally use above 30T Jacks. These pump flow dually.

infrAtekk - Power Pack Unit

Single Phase : infrAtekk Power Pack Unit : Working Pressure & 700 bar

FEATURES /ADVANTAGES

- Hydraulic Power Pack, Tube fittings, Tank Accessories and Electric Equipments of reputed make.
- Easy design for maintenance.
- Easy to carry anywhere, wheel for easy Handling.
- Compatible to all brands Jacks / Cylinder / SPM, etc.
- Voltages 110V – 220V – 415V A/C , 50 & 60Hz



P - Power Pack Unit, **2phase** - 2HP - single Phase, **L**** - Liters, **H** - Hand Lever Operated, **S** - Single Pump,
PB - Push Button Operated, **D** - Double Pump

Pump Stage	Motor HP Single Phase	Model	Flow Upto 150 bar (l/Min.)	Flow Above 150 bar (L/Min.)	Filling Capacity (liters)	Usable Oil (liters)
Single	2	PPU-2p-L20-HOS	-	1.0	20	12
	3	PPU-3p-L40-HOS	-	1.5	40	25
Double	2	PPU-2p-L40-HOD	4.8	1.0	40	25
	3	PPU-3p-L40-HOD	7.3	1.5	40	25
	2	PPU-2p-L40-POD	4.8	1.0	40	25
	3	PPU-3p-L40-POD	7.3	1.5	40	25



infrAtekk - Power Pack Unit

Three Phase : infrAtekk Power Pack Unit : working Pressure & 700 bar



P - Power Pack Unit, **H** - Hand Lever Operated, **S** - Single pump, **D** - Double Pump, **PB** - Push Button Operated
2Current - Hp + Three Phase **L**** - Lite

Pump Stage	Motor HP Three Phase	Model	Flow Up to 150 bar (l/Min.)	Flow Above 150 bar (L/Min.)	Filling Capacity (liters)	Usable Oil (liters)
Single	2	PPU-2p-L20-HOS	-	1.0	20	12
	3	PPU-3p-L40-HOS	-	1.5	40	25
	5	PPU-5p-L40-HOS	-	2.5	50	35
	7.5	PPU-7.5p-L80-HOS	-	3,7	80	55
	7.5	PPU-7.5p-L120-HOS	-	3.7	120	90
Double	2	PPU-2p-L40-HOD	4.8	1.0	40	25
	3	PPU-3p-L40-HOD	7.3	1.5	40	25
	5	PPU-5p-L40-HOD	12.3	2.5	50	35
	7.5	PPU-7.5p-L80-HOD	17.3	3.7	80	55
	7.5	PPU-7.5p-L120-HOD	17.3	3.7	120	90
	2	PPU-2p-L40-PBD	4.8	1.0	40	25
	3	PPU-3p-L40-PBD	7.3	1.5	40	25
	5	PPU-5p-L40-PBD	12.3	2.5	50	35
	7.5	PPU-7.5p-L80-PBD	17.3	3.7	80	55
	7.5	PPU-7.5p-L120-PBD	17.3	3.7	120	90