

NEW Product Release

HYDROTAB TRIM SYSTEMS

No failures. No need of maintenance. No need of service. More control, more comfort.

Hydrotab interceptors trim system gives you excellent steering consistency, and the boat responds better and quicker to commands. Optimising hull's position, you get better planing, more speed and comfort even in rough seas.

Hydrotab's technical excellency is based on a very simple, though innovative pneumatic mechanism of interceptors which never fails. Without rotating parts, servomotors or other sensitive units, Hydrotab's mechanism can instantly generate a robust, reliable and precise control optimising the boat's behaviour and enabling optimal conditions for planing. Together with a manual or fully automated control, Hydrotab presents reliability and simplicity in a box.

Features:

- 12 or 24 volt operation
- Perfect feel of steering for consistent and stable route
- Excellent planing, less rocking and more speed even in rough seas
- Minimum drag effect and so fuel saving
- Easy control panel (manual or/and fully automated mode)
- Simple but innovative, minimal but robust mechanism which never fails
- Discrete, quick and easy installation
- No maintenance, self-cleaning, with a 5 year mechanical and 2 year electrical warranty
- Switches rated to IP67
- 10m air hose included

Interceptors vs traditional trim tabs

Hydrotab's design is based on interceptors' concept which has been proven to be much more efficient in trimming compared to common trim tabs. In general though, existing interceptor brands require complicated installation, have also a complex design and consist of many sensitive parts like servomotors, gears, axles, shafts, etc. Hydrotabs features a simple innovative pneumatic mechanism, free of sensitive parts, with the easiest of installation, has resolved the reliability issues of interceptors. With Hydrotabs, trimming faster, smoother and more efficient. At the same time, Hydrotabs have practically zero failures and they are free of maintenance. On the other hand, ordinary trim tabs present practical issues with regards to installation and efficiency in operation. One of the main complaints of boat owners with ordinary tabs, is the inconvenience with the installation because of space/volume that trim tabs require.

Comparing to traditional trim systems, Hydrotab interceptors give more:

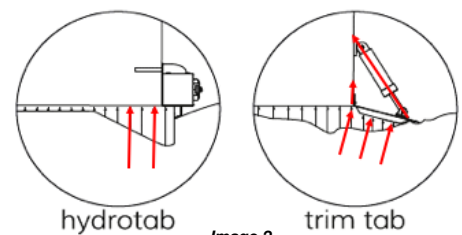
- Planing ability
- Feeling and consistency of steering
- Speed gain
- Comfort aboard
- Discreet, minimal and low space/volume fitting
- Quick & easy to install
- Smart and innovative patented design
- Robust making, free of sensitive parts
- Zero fails, reliable mechanism
- 5 Year warranty

Image 1 shows (red box) the volume needed by a common trim tab together with its actuators, and the green box you can see the discreet installation of a Hydrotab.

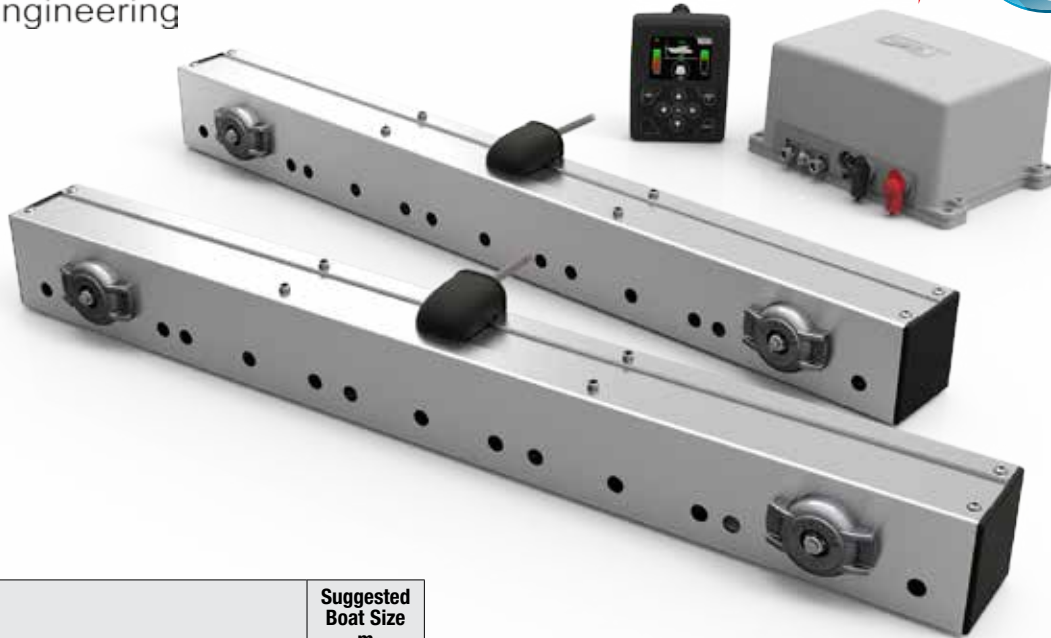
Another issue is the frequent and fiddly job of scraping out barnacles, otherwise higher drag power, speed reduction, and higher fuel consumption occurred. Additional to the above, damages of common trim tabs come about frequently, as they protrude out of the transom, due to bumps on reverse, or decay of actuators because of the harsh sea conditions.

All above issues are easily perceived by boat owners, though common trim tabs also show limited operation and efficiency in trimming. With common tabs, lift power applies not under the hull, but outside the hull under the tabs. Lift power is transmitted to the hull through the bearing to the hull joints. But this is not the most efficient geometry as a considerable percentage of the lifting power applies higher on the transom through the actuators.

On the other hand, Hydrotabs apply all of the lifting power exactly where is needed, under the hull and equally all along the beam (image 2). Consequently, with Hydrotabs trimming is quicker and more efficient.



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BLA Code	Description	Suggested Boat Size m
312300	HYDRO TAB INTERCEPTOR 320BT 370MM 3DH	4.5-6.7
312302	HYDRO TAB INTERCEPTOR 320BT 370MM NMEA	4.5-6.7
312304	HYDRO TAB INTERCEPTOR 480BT 544MM 3DH	6.2-10
312306	HYDRO TAB INTERCEPTOR 480BT 544MM NMEA	6.2-10
312308	HYDRO TAB INTERCEPTOR 640BT 700MM 3DH	6.2-10
312310	HYDRO TAB INTERCEPTOR 640BT 700MM NMEA	6.2-10
312312	HYDRO TAB INTERCEPTOR 800BT 870MM 3DH	12-16
312316	HYDRO TAB INTERCEPTOR 800BT 870MM NMEA	12-16
312318	HYDRO TAB INTERCEPTOR 960BT 1030MM 3DH	12-16
312320	HYDRO TAB INTERCEPTOR 960BT 1030MM NMEA	12-16
312322	HYDRO TAB INTERCEPTOR 1500BT 3DH	21+
312324	HYDRO TAB INTERCEPTOR 1500BT NMEA	21+
312326	HYDRO TAB INTERCEPTOR 2000BT 3DH	27+
312328	HYDRO TAB INTERCEPTOR 2000BT NMEA	27+
312340	HYDRO TAB DOUBLE SPEED AIR UNIT	
312342	HYDRO TAB INDIRECT AIR SUPPLY KIT	
312346	HYDRO TAB CONNECTION CABLE 10M 7 POLE 3DHC	
312348	HYDRO TAB CONNECTION CABLE 20M 7 POLE 3DHC	
312350	HYDRO TAB CONNECTION CABLE 30M 7 POLE 3DHC	
312352	HYDRO TAB CONNECTION CABLE 40M 7 POLE 3DHC	
312354	HYDRO TAB CONNECTION CABLE 10M 9 POLE 3DHC	
312356	HYDRO TAB Y CONNECTOR	
312358	HYDRO TAB DBLE AIR UNIT CONNECTOR	
312360	HYDRO TAB CONTROLLER 3DHC	
312362	HYDRO TAB CONTROLLER DASHBOARD 3DHC	
312370	HYDRO TAB CONNECTION CABLE 10M NMEA	
312372	HYDRO TAB CONNECTION CABLE 20M NMEA	
312374	HYDRO TAB CONTROLER 4DHC	
312376	HYDRO TAB 3DHC DUAL STATION KIT	
312378	HYDRO TAB 4DHC DUAL STATION KIT	
312338	HYDRO TAB AIR UNIT	
312339	HYDRO TAB AIR UNIT NMEA	
312341	HYDRO TAB DOUBLE SPEED AIR UNIT NMEA	
312367	HYDRO TAB AIR UNIT NMEA & 4DHC CTRL	
312368	HYDRO TAB AIR UNIT NMEA DBLSPD & 4DHC	

Comparison Classic Trims and HydroTab Interceptors

	Classic Trim Tabs	HydroTab Interceptors
Drag Effect	Moderate	Minimum
Response Time	Moderate (or very slow when covered in with barnacles)	Immediate
Planing Ability	Moderate (porpoising, in higher speeds)	Excellent
Response in Heavy Sea	Moderate	Immediate
Impractical/Inconvenient	Yes	No
Failures	Frequent	Extremely Rare
Maintenance/Service	Frequent	Almost none
Cleaning (form fouling/barnacles)	Frequent	None
Installation	Hard with Hydraulic/Electrical Connections	Easy
Space Required for Installation	Large	Minimum
Acquiring Cost	Low	Low