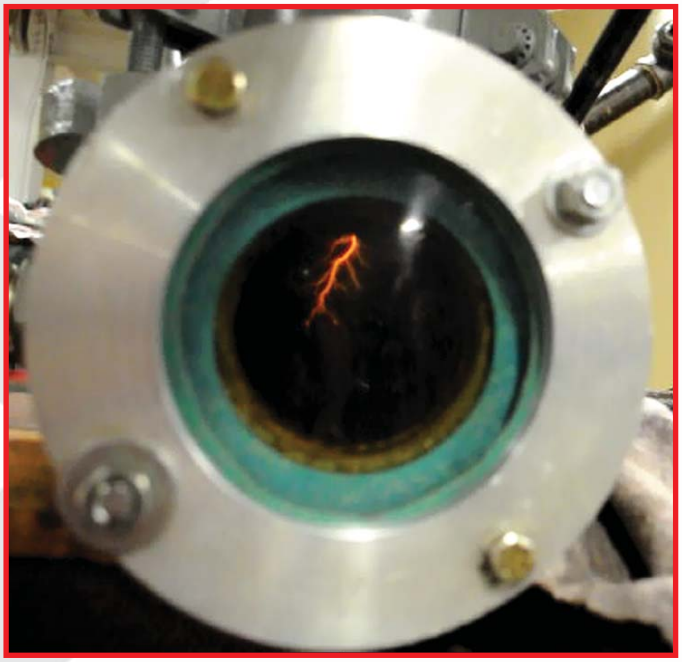
Hilliard HILCO® DIVISION™

Anti-Static Filter Elements
HILCO PH-CGJ Series

Static discharge is a common problem in the lubricating oil systems of today's turbo-machinery. Type II lubricant base stocks exhibit very low fluid conductivity. As a result, static charges can build on the non-conductive components of the lube oil system, such as the filter elements. When a sufficient charge is accumulated, static discharge occurs between two points of differing potentials. Over time static discharge contributes to oil degradation and varnish build up throughout the system.

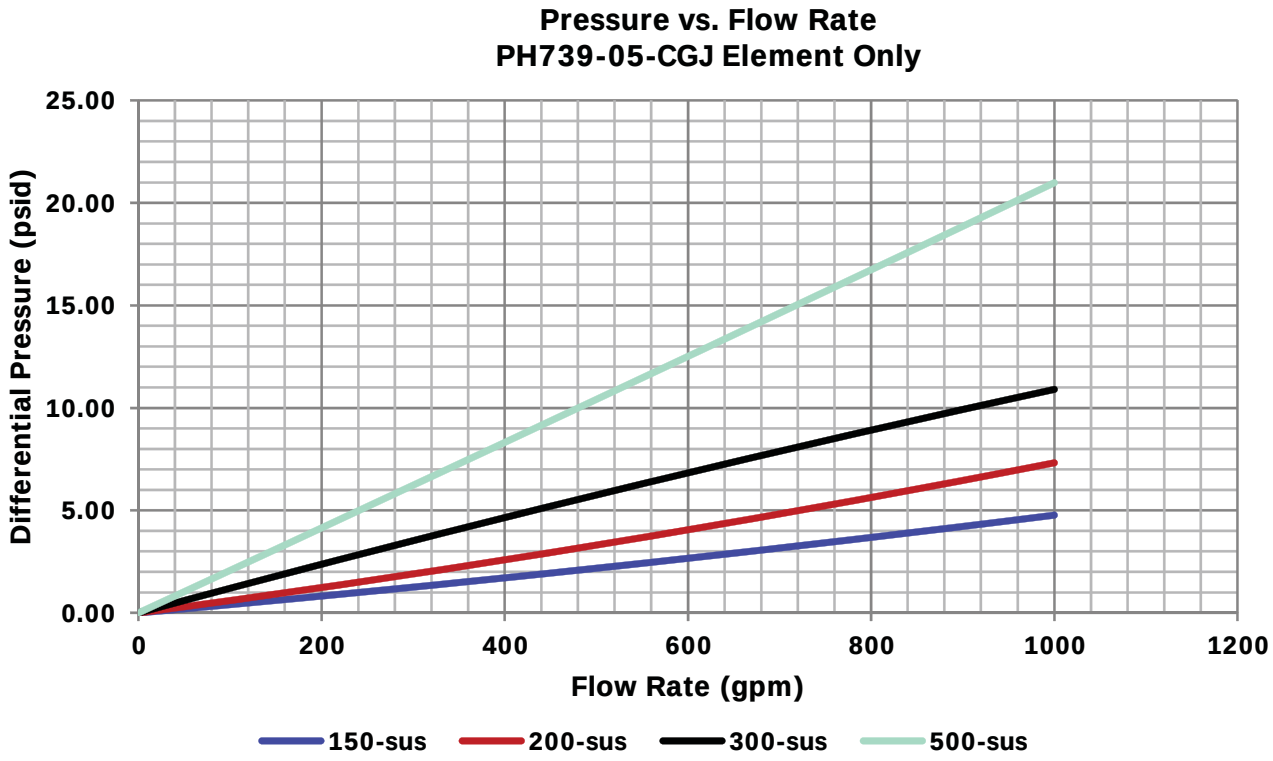


Media Code	$Beta_x \geq 75$	$Beta_x \geq 200$	$Beta_x \geq 1000$
-16		2	3
-14	2	3	5
-12	3	4	6
-11	9	10	12
-01	14	15	17
-03	24	25	27
-05	40	41	43

Hilco PH-CGJ style filter elements incorporate conductive fibers which are co-pleated in between two layers of hi performance microglass filter media. As a result the Hilco anti-static filter element dissipates static charge build up before discharge can occur. The Hilco CGJ style elements are available in every standard Hilco media grade code.

Originally developed in the mid 1990s to solve a static discharge problem for a power plant in Japan, customers have successfully relied on Hilco anti-static filter elements for years.

The Hilco PH-CGJ elements are a direct replacement for all Hilco standard size filter elements. Users which have converted from standard Hilco PH series elements to the anti-static version report only a modest increase in pressure drop. Differential characteristics of a PH739-05-CGJ element is illustrated below. Contact your regional sales manager or local distributor to request further information.



Fluid conductivity can be determined by utilizing ASTM standard D2624. A common unit of conductivity is a Peco Siemens/Meter (pS/M). Laboratory and field testing reveals that fluid conductivity greatly effects the number and severity of static discharge. Oils having a conductivity < 35 pS/M are prone to hi intensity static discharges while oils > 200 Ps/M exhibit no static problems. Hilco offers full laboratory services and can verify the conductivity of a users oil if a static discharge problem is suspected.

ALL HILCO PRODUCTS ARE MANUFACTURED IN ELMIRA, NEW YORK

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