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Nippon Oil Pump Co., Ltd.

CALCULATION OF DISCHARGE PRESSURE AND FLOW

Development Division　February 29, 2024

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Pump Performance Chart by Tool Holes

Determine the discharge performance of YTH from the number of holes and hole diameter (diameter of one hole) of the through tool. This is a graph for confirmation.

＜How to Use This Chart＞

① First, select a chart page that matches your model of NOP Filter Pump and the number of holes on your tool.

② Select a colored area that matches the model number of your NOP Filter Pump and rotational speed (frequency of your area).

③ Select a curve that matches a hole diameter of your through spindle. Finally, you can get the outlet pressure and flow rate by checking a point where curve (hole diameter) and colored area intersect.

※ The data of this chart was obtained only under the following conditions and therefore, provided for reference only. The actual performance is subject to the viscosity of pumped liquid and piping resistance. Test oil: Water soluble coolant emulsion A1 type 2% Liquid temperature: 20°C.

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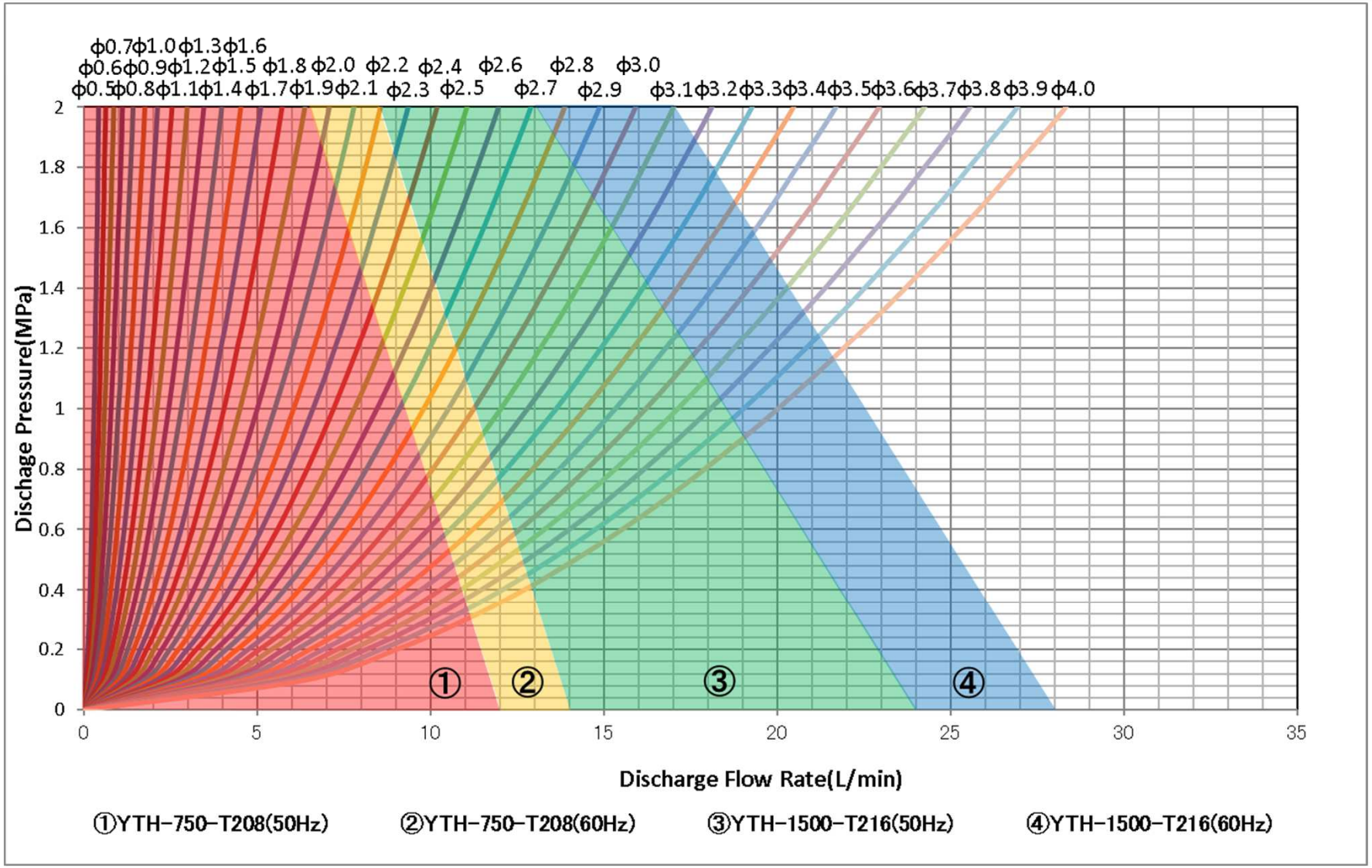
NOP Filter Pump YTH-CT with 1 Tool Hole



※Pump selection should be based on the expectation of a 40% reduction in flow rate.

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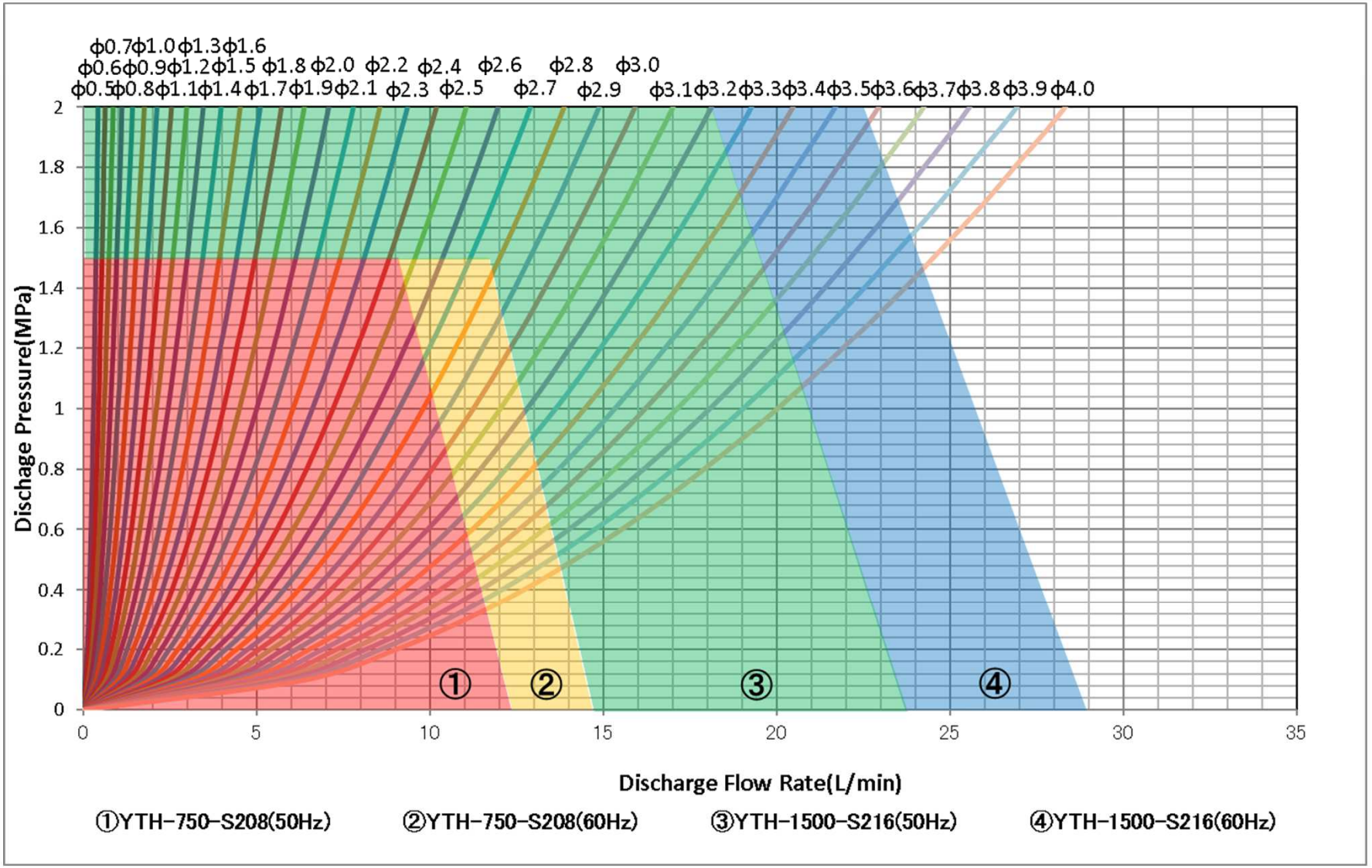
NOP Filter Pump YTH-ES/CS with 1 Tool Hole



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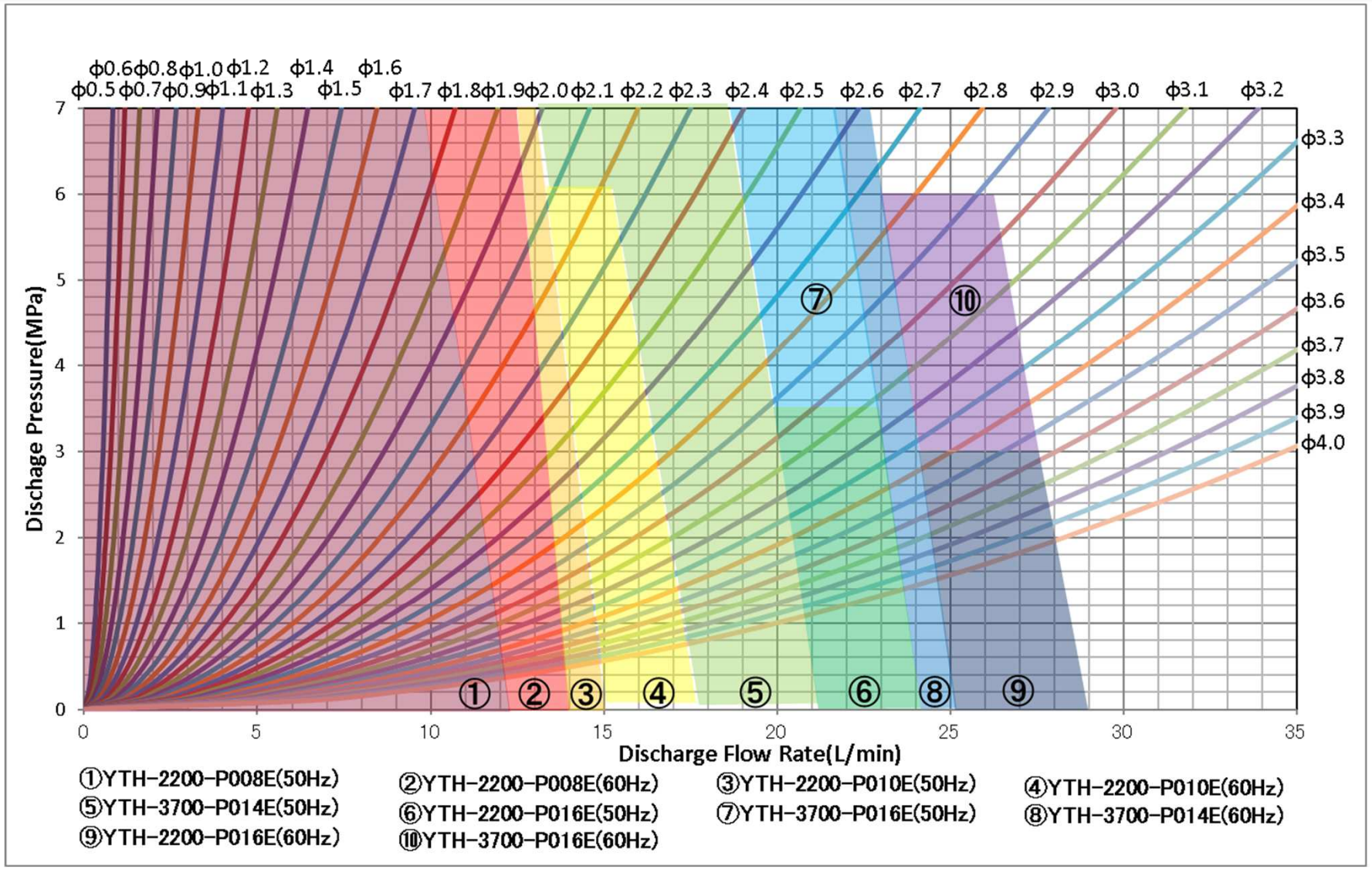
NOP Filter Pump YTH-EP with 1 Tool Hole



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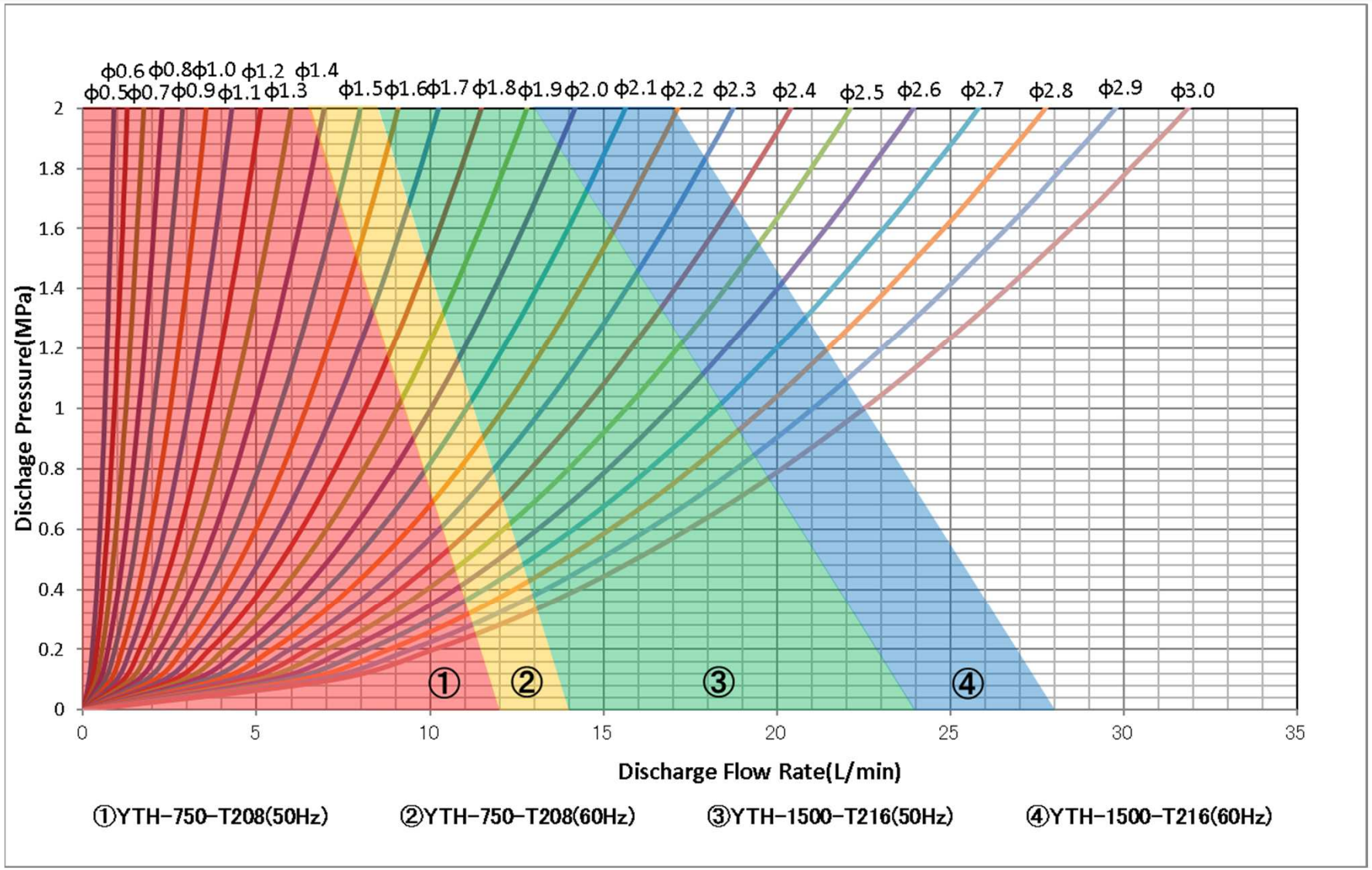
NOP Filter Pump YTH-CT with 2 Tool Hole



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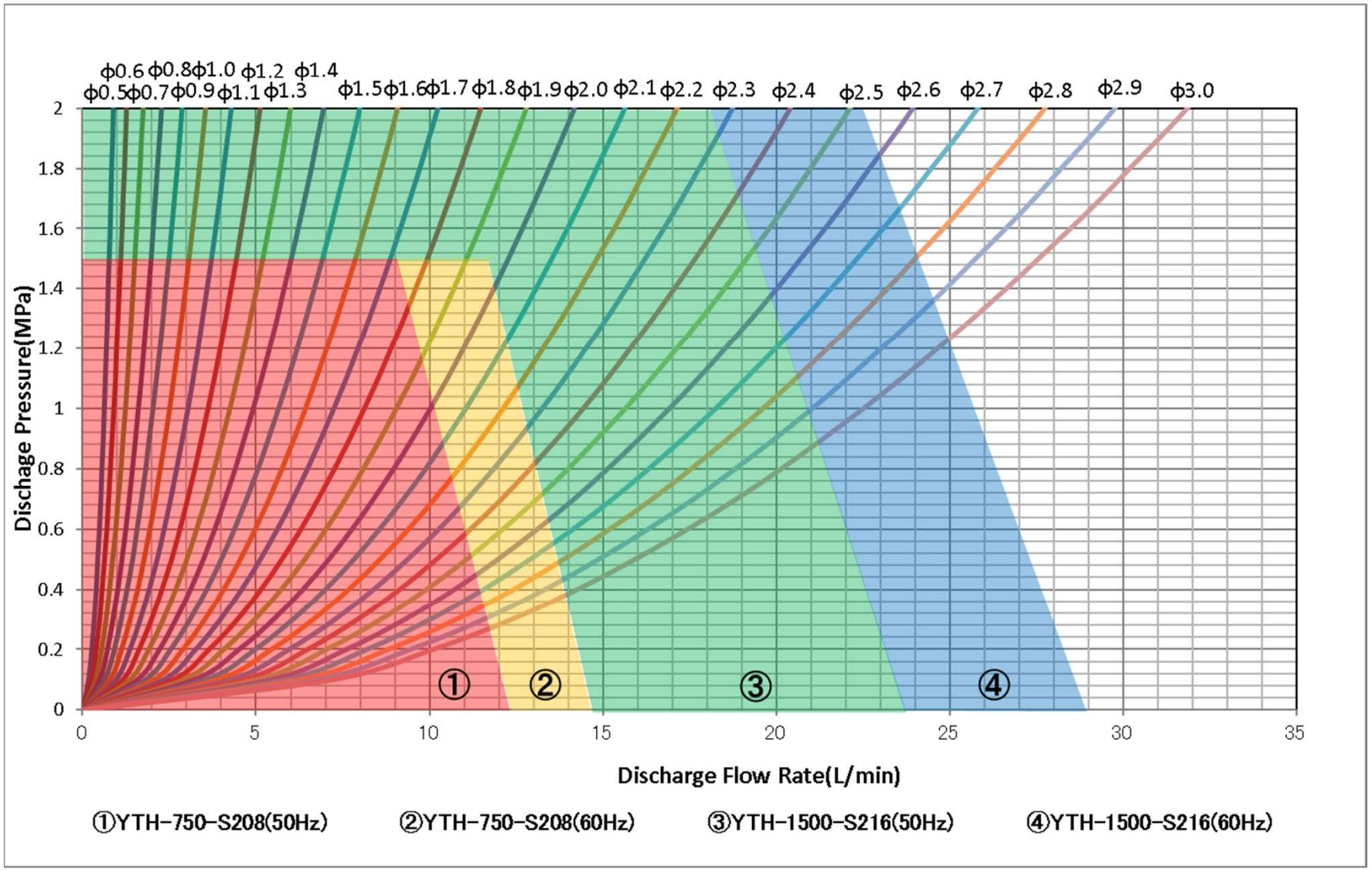
NOP Filter Pump YTH-ES/CS with 2 Tool Hole



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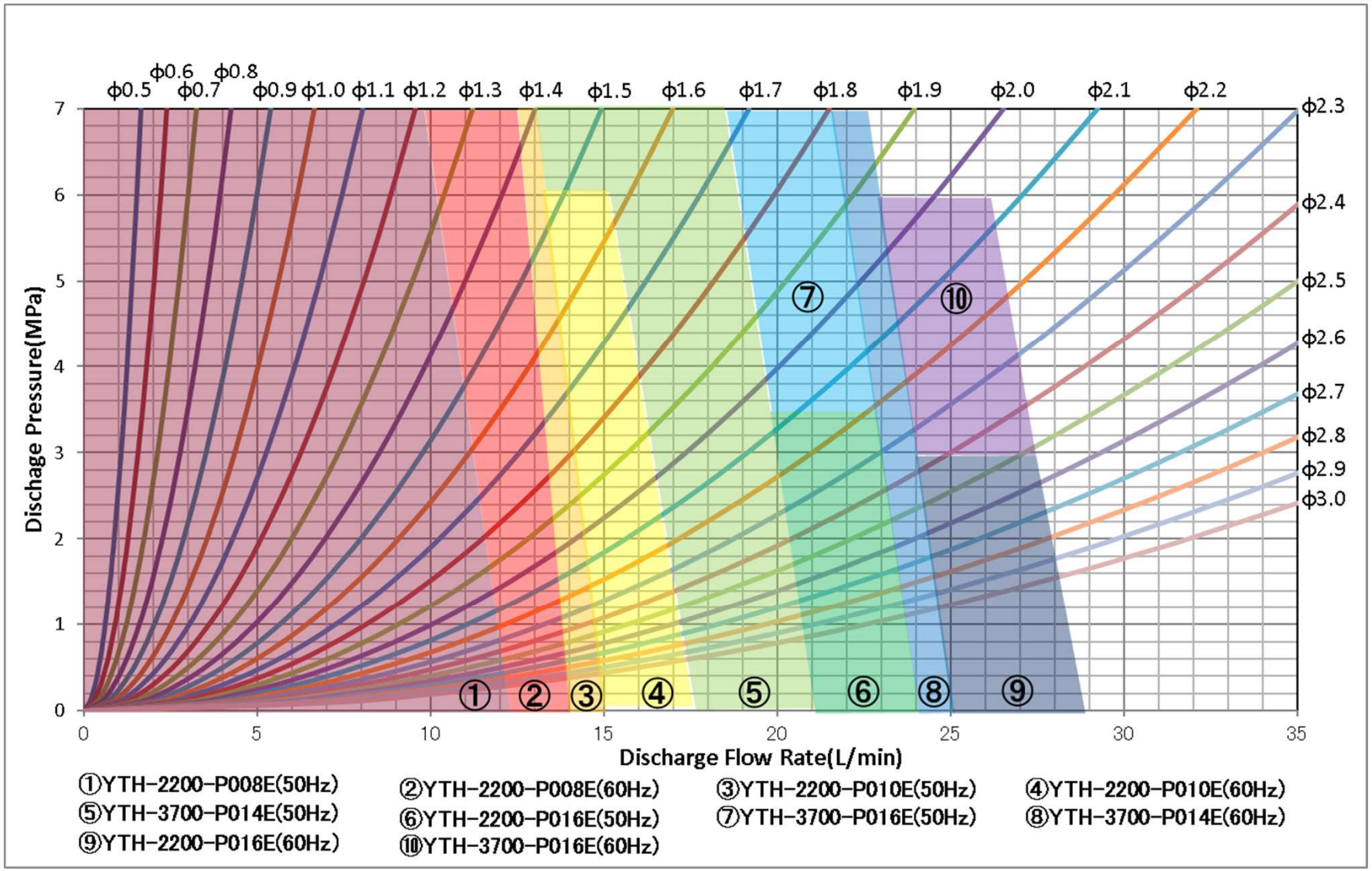
NOP Filter Pump YTH-EP with 2 Tool Hole



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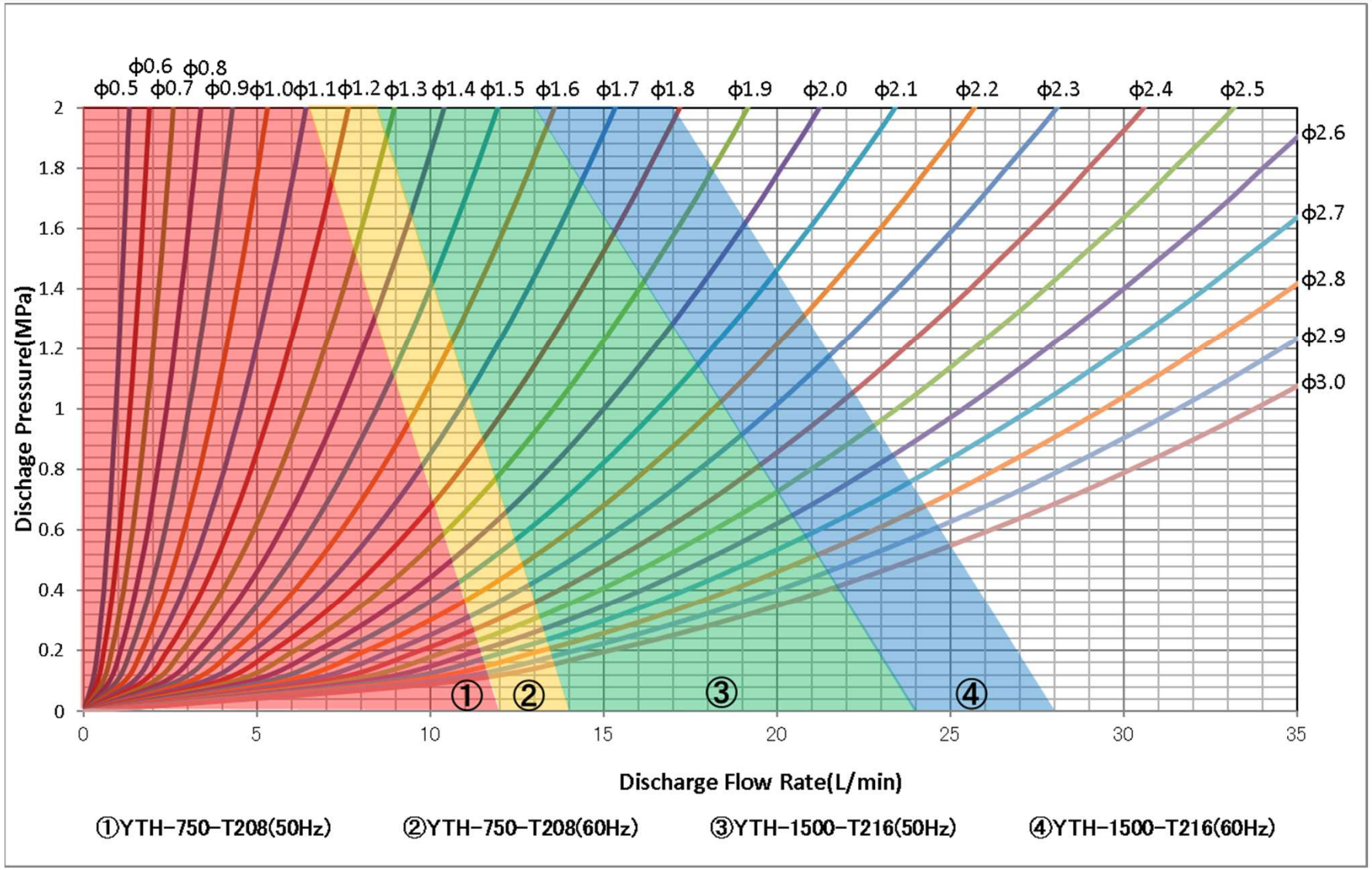
NOP Filter Pump YTH-CT with 3 Tool Hole



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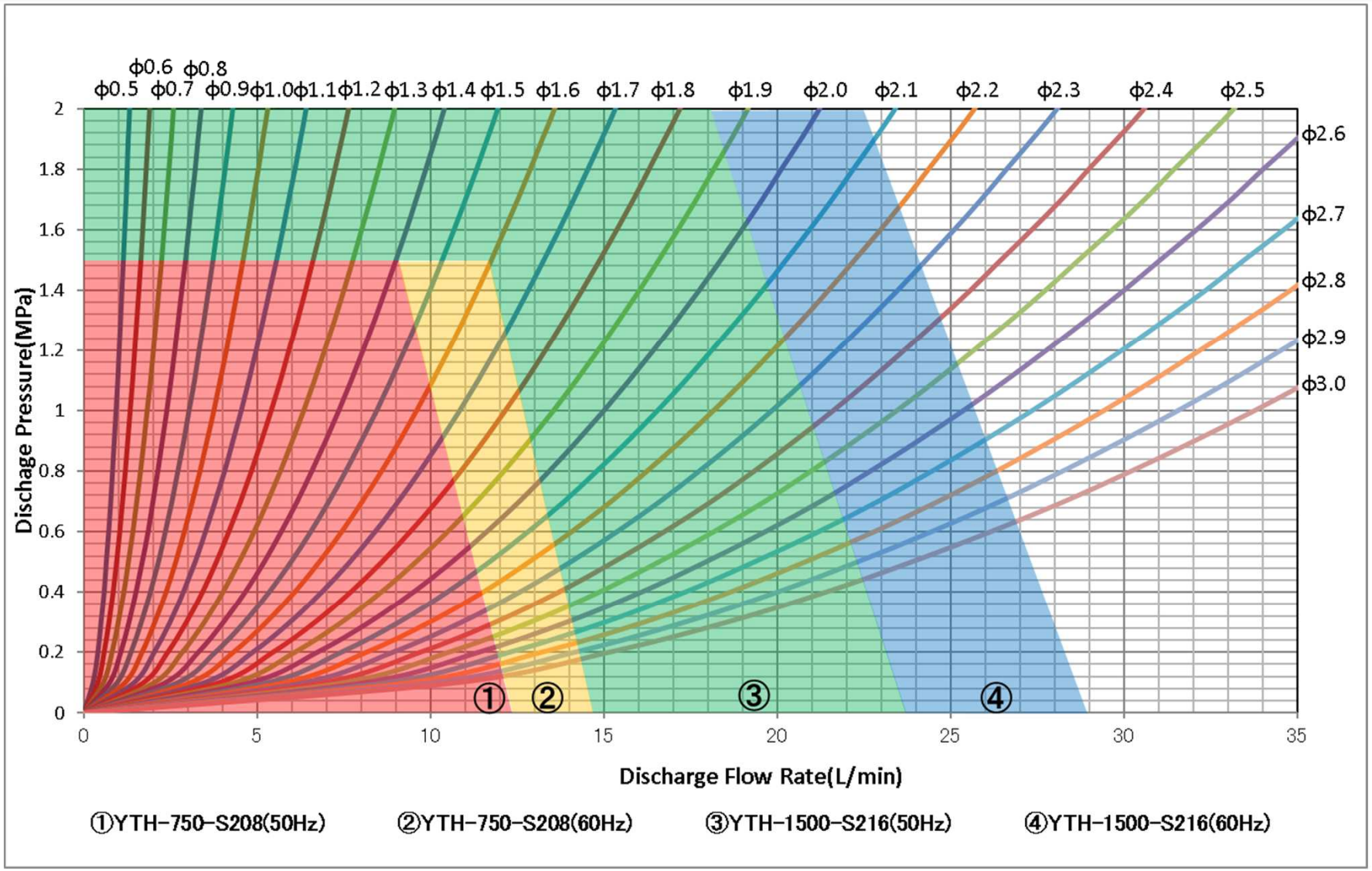
NOP Filter Pump YTH-ES/CS with 3 Tool Hole



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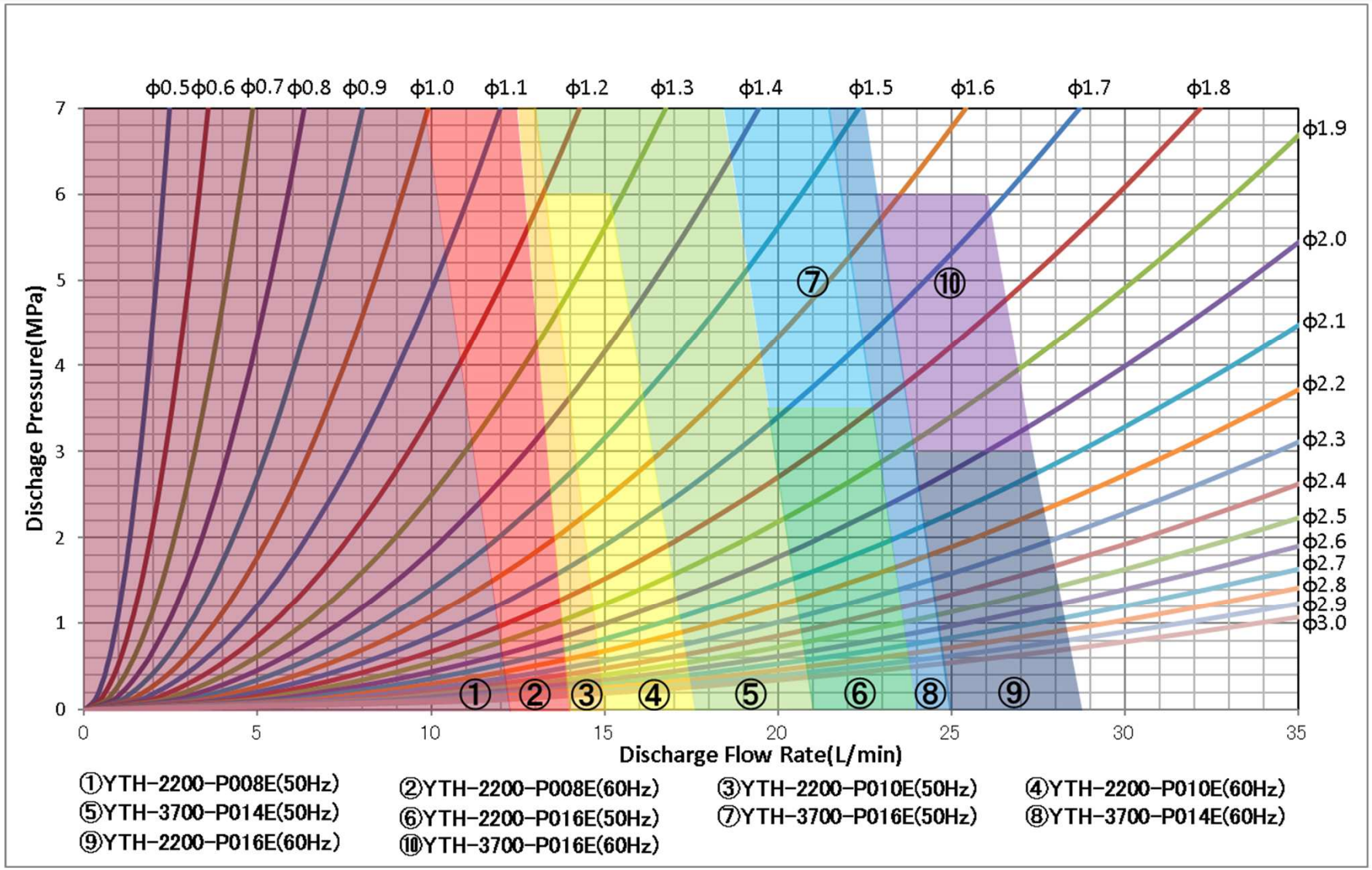
NOP Filter Pump YTH-EP with 3 Tool Hole



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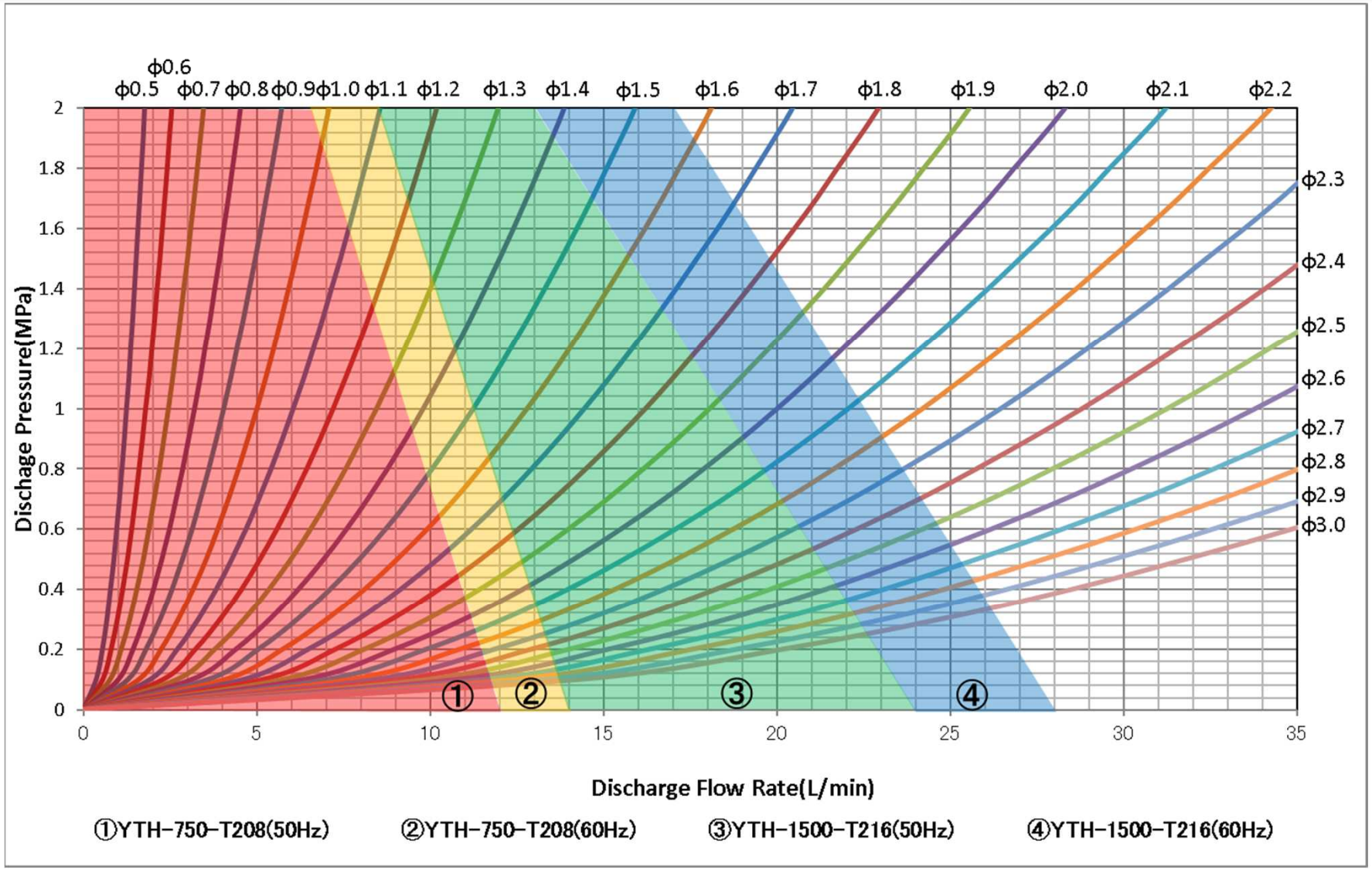
NOP Filter Pump YTH-CT with 4 Tool Hole



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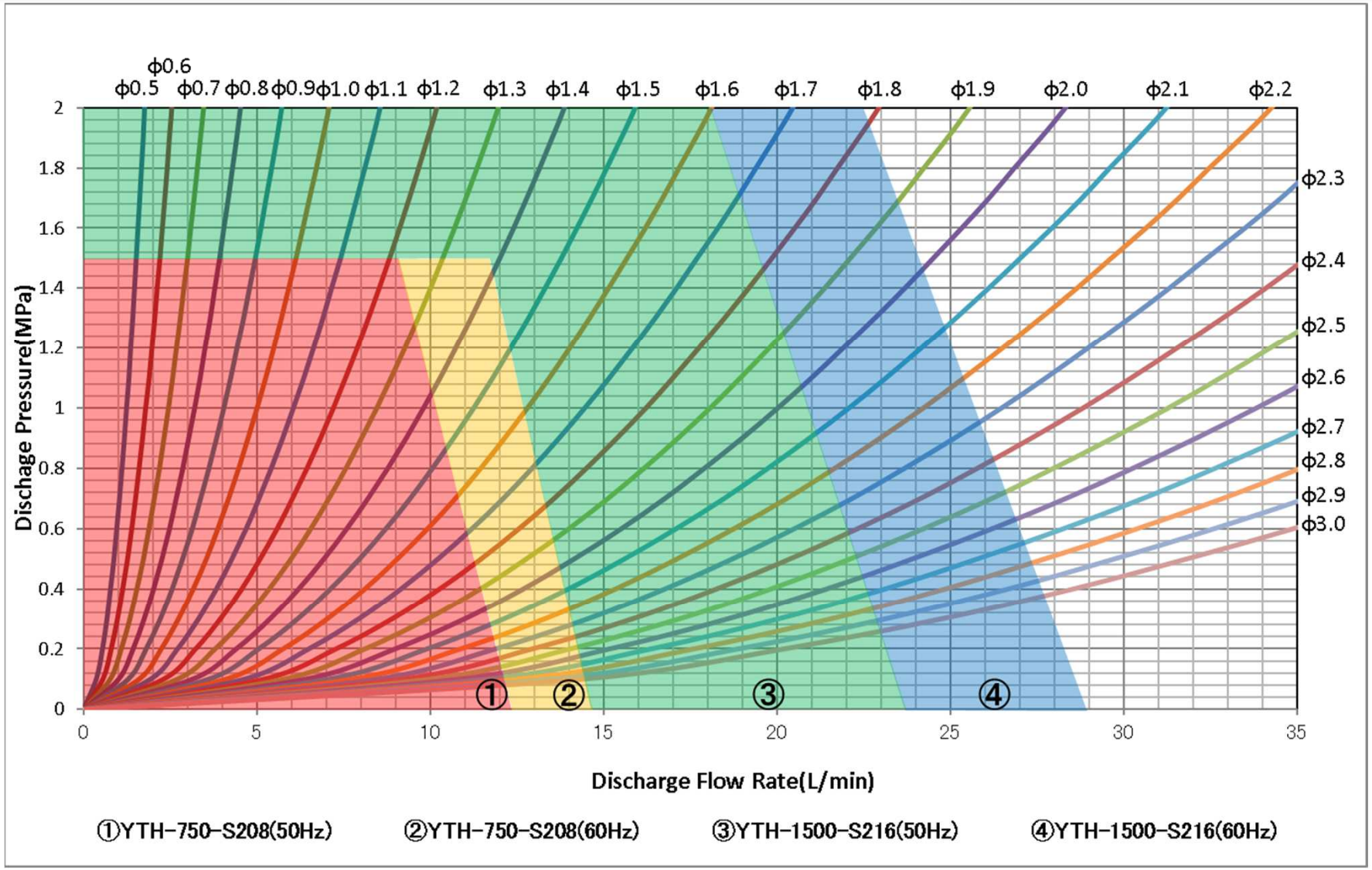
NOP Filter Pump YTH-ES/CS with 4 Tool Hole



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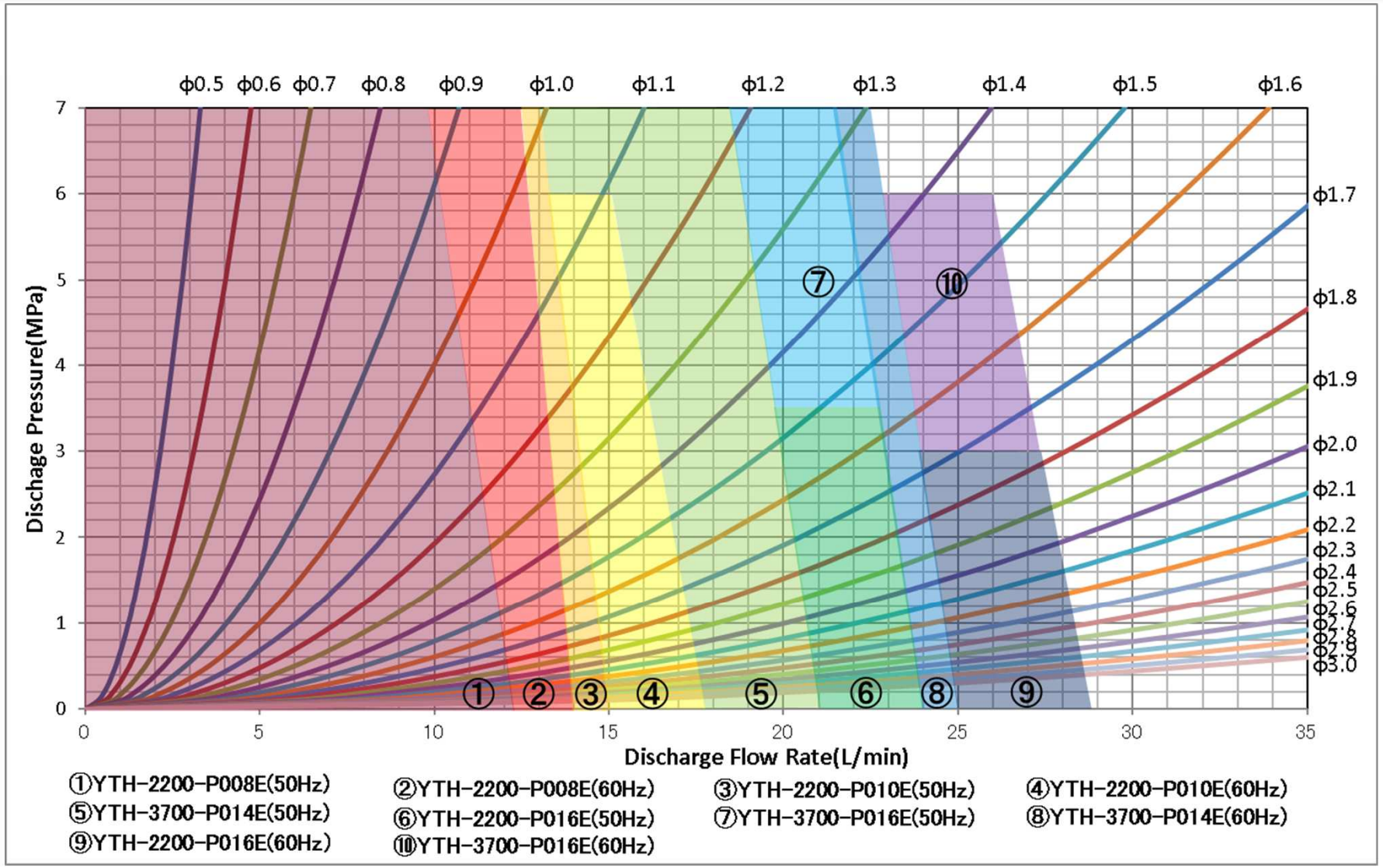
NOP Filter Pump YTH-EP with 4 Tool Hole



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