

## عنوان مقاله:

Standardization of natural gas filtration process based on engineering evaluations

## محل انتشار:

پانزدهمین کنفرانس ملی روز مهندسی (سال: 1397)

تعداد صفحات اصل مقاله: 6

## نویسندگان:

Abdolrasool Mohseni Homagerani - *Azmoon Partoye Gharb*

Meysam Rasooly - *Isfahan University of Technology*

## خلاصه مقاله:

Natural gas that is named gas, as green source of energy in all over world is mainly composed of methane (CH<sub>4</sub>) and other heavier hydrocarbons. Iran as higher owner of natural gas sources as shown in figure 1, has wide networks consist of metal pipes and polyethylene pipes for transmission and distribution gas. The summarization of gas transportation system from production to final consumer is shown in figure 2. Although natural gas is considered as one of the cleanest fuels in the field of environmental emissions, however it like other fossil fuels contains its specific containment, specially suspended particles. Investigation of concentration, size distribution and characterization of these particles in various network location and different seasons and formation of them can help us to find the best equipment to separate contaminants from gas flow and chose right filtration systems. In this point of view beside design optimization and supervision systems in pipeline implementation and gas station production step that recommend filtration accessories, technical inspector as superior supervision that interacts with designer, producer and operator has main role to improve applicability of equipment and optimum operation by setting test methods and .acceptance criteria, especially in case of filter element cartridgespecification

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/979055>

